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(71)Applicant : INSTITUTE OF COMPUTER BASED SOFTWARE METHODOLOGY & TECHNOLOGY
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(54) METHOD FOR DETERMINING SOFTWARE, METHOD FOR USING SOFTWARE, RECORDING MEDIUM, PROCESSOR, METHOD FOR MAINTAINING SOFTWARE, METHOD FOR TRANSPORTING SOFTWARE, METHOD FOR MANAGING SOFTWARE, AND METHOD FOR PREPARING PROCESSING ROUTE DIAGRAM, METHOD FOR PREPARATING PALLET FUNCTION, METHOD FOR DECIDING PALLET REGION, METHOD FOR PREPARING PALLET-CHAIN-FUNCTION, METHOD FOR PREPARING PHASE ELEMENT, METHOD FOR PREPARING LOGICAL ELEMENT, METHOD FOR PREPARING OPERATION ELEMENT, METHOD FOR MOUNTING SOFTWARE, METHOD FOR DEVELOPING SOFTWARE, METHOD FOR REPLACING DATA STRUCTURE, METHOD FOR REPLACING DATA VALUE, METHOD FOR ANALIZING CONVENTIONAL PROGRAM, METHOD FOR DEVELOPING AND MANAGING SOFTWARE, METHOD FOR METHOD FOR APPLICATING AND MANAGING SOFTWARE, PARALLEL COMPUTER AND JUDGEMENT SUPPORTING DEVICE.

(57)Abstract:
PROBLEM TO BE SOLVED :To make simultaneously finable an important matter and soft by erasing logic from the soft development work and eliminating the necessity of process logic for business.
SOLUTION :Required software and its important matter are defined by inversely solving a scenario function to be a logical conclusion for the internal structure logic of existence. Concretely, a screen and a definition body such as a file are defined and a processing route diagram arranging pallets W02 to W04 to be three elements of a scenario function along the flow of processing is prepared. Then, basic logic forming prescribed structure for determining the significance for every word is programmed in each word belonging to the definition body. The features of business are reflected on self-production logic in the basic logic. Thus the important matter of business can be satisfied by driving an obtained program along synchronous structure.
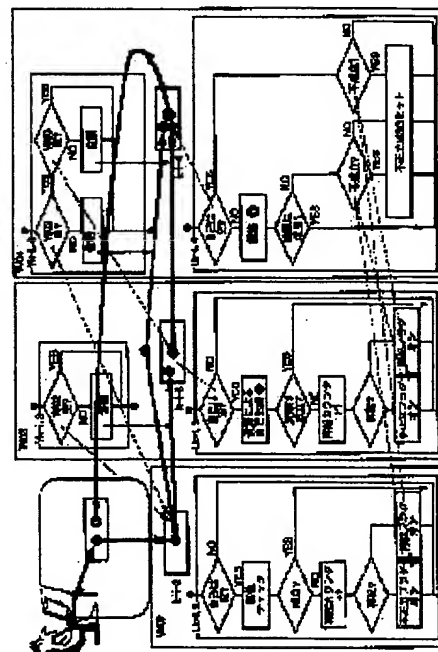
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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention For example, the software for business-use software, the software for games, and process control, In addition, the decision approach of the software applied to the software of all fields, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It is related with the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0002]

[Description of the Prior Art] The conventional software is made through a demand definition, a design development, a detail design, programming, compile, the program test, and the comprehensive exam. At these processes of a series of, the degree which personal capacity, such as experience of SE, knowledge, and application force, influences is large.

[0003] that is, **** of those who is called the person concerned represented by the system engineer (it calls "SE" the following as long as it is unstated.) who is the subject of the action of its intention manifestation, interpretation, and construction although the action of "an interpretation", and "construction" of program logic goes into a demand definition therefore -- not entering -- it cannot obtain, therefore group human nature cannot eliminate. [the near engineer who hears and develops "intention manifestation" of a client, and it] Although the design development is based on the demand definition therefore, group human nature is not eliminable. although a programming engineer (it is called "PE" the following as long as it is unstated.) adds an interpretation and a detail design makes based on the design development containing ****, such as the SE, -- therefore -- further -- group human nature -- not being added -- it does not obtain, and although the thing itself which makes each basis similarly programming, compile, a program test, and a comprehensive exam cannot eliminate group human nature therefore, group human nature cannot be denied. Thus, in the conventional software production, to have the structure where the group human nature of SE or PE enters, by each of a process which obtains the final specified substance, and to become such structure was made into the natural thing.

[0004] Therefore, the software which will be done if human beings who make in making the same software (only henceforth [as long as it is unstated] "software" especially) inevitably differ will differ. In order to unify recognition between human beings who are different just because such a condition is becoming commonplace, naturally holding of document creation and a meeting etc. is needed.

[0005] In fact, in producing one software, the time amount spent on the meeting held among people engaged in production, such as SE and PE, is huge. And the more the scale of the target software becomes large, in order to solve the point, while the number of human beings in connection with the software production increases, it becomes difficult to unify the intention between human beings in connection with it, and the amount of a document will become still more nearly immense, the more time amount spent on a meeting will be increase-ized by leaps and bounds. Things, such as time amount consumed by unification-of-purpose activities, such as such document creation

and a meeting, as a whole, an effort, and a human resource, will become immense.

[0006] The attempt for gathering the effectiveness of software production has been made [that it is various and] in order to aim at the solution of such a suffocation-situation. As a thing representing such an attempt, the various development technique represented by the structured-programming technique, DOA (data cage ENTETTO approach), OOA (object ORIEN Ted approach), etc. is poles of one of these, and components-izing, a repository, etc. which hung up programming for every word are another pole.

[0007] The former structured-programming technique, DOA, OOA, etc. tend to secure the ease of the consciousness unification between human beings. However, such technique and the approach approach cannot escape from the region that it was going to carry out to the **** essence target in the form where amelioration was further added while on the assumption that the method of the conventional programming. That is, it has finished without being able to aim at any [problem / of the group human nature generated from an interpretation action which each mentioned above] concrete solution. consequent ·· such technique and the approach approach ·· each programming ·· in ·· although it may contribute to an improvement of effectiveness, it cannot accept as what solves the technical problem which follows having **(ed) naturally on the former called the need for a fundamental unification-of-purpose activity etc. as it is that it is not alike too much and the productivity of software is raised fundamentally.

[0008] moreover, an epoch-making theme called programming for every word about the latter ·· hanging up ·· although carried out, since any improvement was not able to be added to the condition itself which the dependency between words continues after all, either, it can be said that the "program for every word" in the original semantics which it is going to attain was unrealizable.

[0009] (1) Terribly, an information related product permeates even daily [general] deeply, and for the first time in [to the extent that human beings' lifestyle may be revolutionized / prosperity] is shown by the rate of the technological innovation of the hard side in an information related technique in recent years [outline].

[0010] It roughly divides into this information processing technique, and there are a hard side and a software side. Among these, although it has just evolved at the ever-advancing pace in a hard side, the advance like a hard side is not accepted in respect of software.

[0011] The development and the maintenance of software concerning an information system are an activity which still starts very much as for a help and time amount. Therefore, it is a fact that have improved this how, proposals various until now were

performed about whether productivity is raised, and efforts have been stepped up. However, when saying from the conclusion, conventional various proposal and efforts were not able to cross the limitation of making software and group human nature neutral and performing them with structure-approach nature to software, either. rather than ·· it can even be said that he sets software, group human nature, and structure-approach nature to software as a natural premise, and did not doubt of them. It is admited that the software-development approach (it is hereafter called a "conventional method" except the software development method concerning this invention.) of (2) group human nature former of explaining the point in full detail is not a thing exceeding the limitation that how to decide a working area (process), the work content for every field, and the method of a conclusion had to be deduced from the rule of thumb, and depend for the method of the real activity of software development on individual capacity even if it is called the newest DOA etc.

[0012] As a result of being dependent on capacity with the individual method of the real activity of software development, priority comes to be given to establishing agreement between the persons concerned, i.e., consensus, over what when performing software development in a team. It is carried out as creation of the huge documents which make a system characteristics specification the start, holding of a meeting, etc., and a serious effort and time amount are spent on these activities, and this making consensus is considered that that is natural.

[0013] For example, it has set to "SLCP-JCF94" (Software Life-Cycle Processes-Japan Common Frame 94) summarized as "a common frame of system development dealings" as follows as the concrete software development technique.

[0014] The activity of " 4.4 operating ********** consists of the following task.

[0015] 4. Development process 534.4.1 Division of an operating activity and the contents of the definition operating activity of the vocabulary are examined, it subdivides to an activity step further, and each work habits and interface are clarified. Moreover, the vocabulary in connection with the business is defined. It advances on the occasion of division of an operating activity, checking matching of required I/O information with the person in charge of a use section.

[0016] 4.4.2 Based on the definition of the range and the handicraft range which carries out detail operating flow creation systematization, an input, processing, an output, and the organization in charge define the flow of user business, and create a detail operating flow.

[0017] 4.4.3 the design of a cut-form and document form ·· design and document employment supplies, such as a cut-form, a document, etc. used in a use section based

on required I/O information.

[0018] 4.4.4 Inquire and adjust about an organization, a necessary personnel, employment organization, an operation procedure, etc. of detail-design business of operating employment. The result is documented as an operating employment detail-design document.

[0019] 4.4.5 Examine the detail of the operating operation procedure which consists of computer operating procedure including user business and a computer I/O activity focusing on the creation user operating task of the operating employment manual first edition, and document as the operating employment manual first edition. Moreover, the detail matter in a software system design and a software detail design is decided, and an operating employment manual is completed.

[0020] As a document derived from an operating employment manual, there are the following, for example.

[0021] a) Input operating manual : alter operation and documentation of the business at the time of an error may be another indicated.

[0022] b) -- paperwork convention: -- a user creates based on an operating employment manual.

[0023] 4.4.6 Carry out the joint review on a contract according to definite 1.2.3 term of implementation of a joint review, and operating employment. By completion of a review, the work habits of operating employment, and a cut-form and document form are decided.

[0024] 4.5 analysis and **** of the requirements for software -- this activity consists of the following task to carry out to each software configuration item.

[0025] 4.5.1 Decide and document the requirements including a quality characteristic specification and the definite quality characteristic specification (functionality, dependability, usability, efficiency, maintainability, portability) of the requirements for software including a data definition which described the following things, for example. The secrecy of the specification c data of the safety containing the part related to the ISO/IEC 9126a engine performance, the physical property by which the software is performed and a function including an environmental condition, specification b employment of capacity, the approach of maintenance, the effect on an environment, and the harm to the necessary personnel Citation : * How far The part related to whether it protects The specification d operating activity of security, the interaction of human being and a facility to include, The constraint to the necessary personnel, and concentration The field (it is related to a human error and training especially) to need With the human engineering to include, the hardware processing to the specification e

processor of MAMMASHIN, a memory device, and a data channel, and the specification f data definition of a reserve resource, requirements for database g delivery The employment of software carried out, install in the location of maintenance, and the requirements 4.5.2 for acceptance The requirements over the external interface of the definite software configuration items of the requirements for external interface are decided and documented.

[0026] As requirements for an external interface, there are the following, for example.

[0027] a) 4.5.3, such as a screen and a document used as b user interfaces, such as wording of a telegram used as an interface with intersubsystem or other systems, a file, and a database, and a file Evaluation of the requirements for evaluation software of the requirements for software and the requirements for an external interface is performed. The example of criteria is shown below.

[0028] a) the feasibility of feasibility g employment of the test coverage f software design of the requirements for test nature e software of the requirements for internal coordination d software with the requirements for external coordination c software of the requirements for a system, and the requirements for a trace possibility b system to a system design, and maintenance -- "

It is supposed that it is necessary in SLCP-JCF94 to step on the following work habits (process) as an approach of analyzing and defining the business and the requirements for software-ized of a function which achieve software-ization in short.

[0029] ** Software-ization "The activity of business" and "processing of a function" to aim at The procedure and interface of a fragmentation step with which the clarification ** clarification of the work habits between each step, procedure, and interface (information made into the object of an activity or processing and its medium) which were subdivided was done are made into software. a step -- fragmentation ** -- the quality characteristic specification (functionality --) over the software configuration items of definite ** each of the software configuration items when presupposing that it realizes Definite ** fragmentation matters, such as dependability, usability, efficiency, maintainability, and portability (above **), In a conventional method, it is mechanical algorithm nature (or) about the view of analysis of each procedure and the derivation approach of requirements in the conventional approach of ******** of a clarification matter (above **) and a decision-ized matter (above ****), and its derivation criteria. If a proposition is decided, that by which the solution over it is equivalent to the property to determine uniquely will not be found anywhere.

[0030] The present condition is using the analytic view and the derivation approach of requirements only depending on personal capacity, such as software experience of an

engineer, business and the knowledge of a function, and application force, and its derivation criteria as the base in the decision of the requirements for software for this reason. And it must be said that software-related arts and sciences and an industrial field are working by the radical of the common sense that that (be dependent on personal capacity) is natural. Therefore, it is analyzed by the conventional approach, and since there is no concept of a "correct answer" in the defined requirements for software and the correct answer does not exist, obvious ** cannot but determine the requirements for software by agreement by implementation of a review. The property in which the same result is obtained even if the property, i.e., who, in which group human nature is eliminated does is in a "correct answer" here, and a lie is carried out. Software experience of the review participant itself not only not having the correct answer with him but an individual, Since big variation exists also in business, the knowledge of a function, and the documented power of understanding of various decision matters inevitably, the requirements on which the review participant has agreed are in a situation with whether very doubtful whether it is "having become really clear" it is "having decided rightly."

[0031] - interface which can establish - step which can establish the profile of the requirements as a prerequisite which forms - division has the implicit agreement of being establishable in the background of the view which sets agreement by such review as the natural premise of software production. These result in naturally **(ing) after all recognition that the logic (logic) of business is establishable. By the way, establishment of these profiles and a step interface is as a result of the personal recognition (interpretation of semantics) by the conclusion of an internal step which results in recognition of a person concerned. Therefore, they do not escape the fate of group human nature.

[0032] About SLCP mentioned above, it is mere instantiation of the conventional technique, and the place which changes in all conventional methods does not have DOA, OOA, etc. in the point that it cannot be freed from such group human nature. And it is thought that the concept of the upstream (procedure of above-mentioned ********) in a software development is produced from this.

[0033] however, since it cannot have the property (what has such a property hereafter -- "the correct answer of software" -- or it is only called a "correct answer".) to become the same even if who creates unless decision of the operating function which is the upstream purpose can free itself from group human nature, the process of the upstream will be useless in the process in which the correct answer of software is calculated.

[0034] recognition of the SE as which the procedure of the requirements analysis and

the requirements definition whose enactment is enabled will analyze and define [object / premised / <this is called "operating function" below logic (logic of business)>] it (operating function) with the conventional method represented with -SLCP by -SLCP (conventional method) which cannot calculate the correct answer of software if it puts in another way -- it will be said that it is influenced by how.

[0035] (3) Consider the trouble which current software production holds from structure-approach one side and another viewpoint.

[0036] All the conventional proposals were the approaches that the requirements for development of an information system would be regarded as "the structure (monochrome) to which a function is satisfied", and a program would be built in the same way of thinking as making a thing. Therefore, it cannot be denied that efforts have been performed only towards saying that it invents the approach for working each process of development efficiently as an improvement called the assembly line which Ford took in to the process of an automobile shows.

[0037] To be sure, events, such as a screen display, an output of a curtain table, and transmission of the control information to a device of operation, satisfy a function, and are embodied by the program. However, the thinking operation of the function achieved by the program which forms a program at the time of development is another. it catches on a target comparatively by the relation between the active existence (conduct) which realizes each function with a physical structure and software, and the thinking operation (****) which forms it -- if it becomes -- a physical structure -- ****** -- it is thought that the rate of conduct becomes the relation of 90:10 about 10:90 and software. That is, in the case of software, the effect of a thinking operation has very big effect on functional implementation. It is thought that the essence of software is concerned with a difference of the method of such existence.

[0038] For example, the components and whole system of a physical structure are caught visually. As for the functional event created, most can serve as an objective event (engine performance). Failure is an event which the mismatching of components creates. And the component caused the failure. So, in a physical structure, a functional event can serve as a subject who controls the existence.

[0039] On the other hand, software cannot recognize the program components or whole program system to be the same as that of a physical structure. It is few of the part that the functional event created has objectivity. Although the so-called bug produces failure, the whole part in which the bug exists does not necessarily serve as a bug. Some program steps in it are bugs. So, software is an existence which the cause of program components, the whole program system, a functional event, and failure is not caught as

failure of a functional event, gives the significance [cause], catches, and is not spread. and the functional event with which the semantics is created in appearance ·· comparing ·· a creation person ·· it depends on the internal operation which results in the semantic realization called the man's volition, and an intention.

[0040] Although there will be no difference in what creates a functional event like [software] a physical structure if the above is put in another way, it will be said by the physical structure and software that the method of existence is a fundamentally different thing. However, it cannot say that there was such recognition conventionally, but there is nothing that can be essentially called a "technique" to software production from that, and it is thought that it was old essence that are empiricism and what [makeshift-/ a thing] there and it was provided. Therefore, you may say that a thing called the technique in which a true innovation may be brought to software production was able to be borne by old approach. The explosive software need accompanying rapid computerization of a time makes allowances lose, and is also considered to have accelerated such an inclination.

[0041] objectivity **** engine performance, such as a profile with a physical structure visual incidentally, ·· with, although it exists, the symbol string itself which mentions what such a profile does not have in software and dares correspond at it and which will be the contents of software if it becomes is equivalent to a "profile" here. so, if requirements are filled with the conventional method which puts the functional event which appears as a result to which the program operated on the base of agreement as a result and it moves, it will consider as means, and the technical problem referred to as how to satisfy requirements is buried into a volition intention of an operator individual, and even a person concerned the time ·· comes back as **** (black box) disinterestedly. That is, it encounters actually, and though regrettable, it happens in everyday occurrence to lose a way like the funny story that this he that made the program does not understand, either, after there being a part which only he who made understands or setting time amount occasionally even if it sees the program listing realized as software to make. For this reason, it is actual that software development needs a huge effort and time amount also in maintenance (debugging etc.) from the first.

[0042] The invention-in-this-application person discovered having produced the production technical problem of software, and the maintenance technical problem from this ****. Since it has not succeeded in all of a conventional method removing this ****, the impossible thing of conquering fundamentally the various technical problems which surround software in these conventional methods is obvious.

[0043] Although the trend concerning the latest software production is in outsourcing or

package orientation, as long as there is a problem of **** in software which was mentioned above, these countermeasures are not what objects which worsen cost performance further, either. The same thing can say also about the technique and the tool like the data cage en TETTO approach developed variously, structured programming, and object oriented programming. In these, although it is thought that possibly there was some improvement about the productivity drive in the process according to individual of the system development or the limited range of requirements, with "the object which fills a function", and the technique to catch, a limitation will produce requirements in improvement in the whole productivity.

[0044] Dramatic effectiveness must have been desired if development of an information system does not improve the productivity of the parts of "the argument and thinking" which occupies the 90%. It can be said that the conventional efforts had been chiefly turned to the improvement of the working efficiency of the part of remaining 10% of handicraft. However, it is thought that the approach of ******** was adopted as the illusion that he is not conscious even of it being even such a property, therefore it can improve with structure-approach. It is thought that the reason without nothing profit of an origin-[such conventional efforts] improvement is because the methodology for raising the productivity of the parts of "an argument and thinking" could not be established. That is, it is thought that the clue for reducing **** from the same way of thinking as making a thing did not have a vanity lever. If it puts in another way, it will run against the question that the direction of efforts itself may all have been mistaken, primarily.

[0045] (4) If the way the software technique concluded from the trouble in the conventional technique of the present condition described beyond the way the software technique concluded from the trouble of a Prior art should be should be essentially is supplemented with and summarized, the next four point will come. that is, if it becomes, the method of the existence will notice it being a different existence from a physical structure in the point of not having physical properties in any of a program being semantics and requirements being also semantics asking development and maintenance of ** software for rationality, and not having physical properties, and if the program from which it becomes the conclusion by that is not caught by requirements, simultaneously the thinking method determined, don't be materialized in it.

[0046] ** In order to form software such, not the traditional thinking method to which it is supposed that requirements are caught by the function event but the thinking method regarded as structure of semantics becomes indispensable.

[0047] ** however ·· since it is called for that it must not be concluded only as

subjectivity unlike a novel, pictures, etc. as long as the semantics which will control the method of the existence of software takes [that the product by software has permeated even daily / general / deeply and] an example, and objectivity may be formed like a physical structure -- software -- if -- **** must be eliminated like a physical structure.

[0048] ** Give us an illusion as if formation of the objectivity of software was the same as the physical structure.

[0049] Although the above thing is having to become base-recognition also in the practical field of the software field, and a scientific field, and although it suited enacting the method of thinking for the research motive 30 years before the founder of the invention in this application (henceforth "LYEE") also removing that illusion, the persons involved in this field of such recognition are thin even now.

[0050] In that, LYEE became a method of first developing based on the theoretic state of the software which required 30 years and was completed. And although it was having already proved, the efficiency nature which exceeds any conventional developing methods became what supports the rightness of the recognizing method.

[0051] (5) Development of effect today's civilization which the trouble and it in how to catch software itself do has the large place which looks at historically and is depended on scientific development. Science has developed the technique in a functional theory-field. That is, if the object of a field which appears considering the thing of the field belonging to an alignment as an ontological thing and an ontological call, and an object will be called a functional theory-thing The inside of the background of the religion pair science represented with Copernicus who received suppression as what is contrary to the doctrine of medieval Christianity in the Ptolemaic theory, A natural phenomenon is analyzed, a principle is discovered and only everybody is just going to stop that the modern science of dropping it into a technique has carried out the great contribution to human beings' development.

[0052] Since the functional theory-world is caught as ****** with objectivity, it tends to set an intelligible extensive and universal technique as a target. The composition that there is an ingredient in the functional theory-world, there is a process, and a result object is formed the concept of a process, and improvement in remarkable productivity has been finished by standard modeling or components-ization based on this functional theory-view in the process of industrialization. Although Ford's T mold model is the most famous, also not only in an automobile industry but in shipbuilding, that it is the fundamental technical thought which food also stored a great success and has realized our affluent society is a fact which denies and does not have a way also in a machine.

[0053] On the other hand, the object has relative relation with self and it can say the

ontological world that it is hard to become a technique ambiguous, unclear, very much extensive, and universal.

[0054] Also in the software industry, it is correct to have come for understanding the technique of software like other techniques in the functional theory-world and advancing rationalization according to functional theory-methodology. that is, the composition that there is input, there is a process and output is -- for example, a manufacture life -- if data are processed according to the logic which will put in input required for it if there is work (this has been considered to be an operating function) which publishes a writ, and satisfies the requirements for operating -- a manufacture life -- the system has been made in conformity with the view that a writ is made. Although faced with the problem that a system is complicated and productivity does not go up in recent years, the motion of current which aims at components-izing or standard modeling is in use as an approach of solving it. It is thought that this motion follows the instruction of the modern industrialization theory which was successful in the functional theory-world.

[0055] About components-ization, it tackles by the 4th generation language or C, and tackles in the San Francisco project of JAVA-CORBA-IBM etc. by recently. Recently about standard modeling, it is called an integrated package, and this is called ERP (Enterprise Resources Planning), BPR (Business Process Re-engineering), etc., if there is a model of the business of the global standard and work is redesigned along with it, software will also be improved, and the opinion that business is also reformed is made. SAP-BAAN-ORACLE etc. is famous especially.

[0056] However, in the world of industrialization, the present condition is that the above-mentioned theory which realized improvement in the productivity of hundreds times cannot be referred to as having stored a rapid success in the software industry at all, either. It is [a thing immature as goods or a thing with bad usage, or (a request of those who use is heard and the opinion of being bad has also put in the hand) and various causes] possible whether the technique has gone to there.

[0057] The thing handling software cannot have physical properties. Moreover, since the code train which is a result object does not have a function, it cannot have the engine performance, either. That is, the quantitatively controllable conditions which were successful with the physical structure object are deterministically missing. If it thinks like this, he will notice that there is no guarantee store a success similarly in the world of software, whose physical structure object, i.e., technological model which stored a shining success while we industrialized. he also notices whether a fundamental cause is into carrying out how the same way and installation as a facility sold are carried out for

it, simultaneously a software product without the engine performance.

[0058] The result to this with theoretically unripe still how to catch software only runs artfully, and has been making the **** slack error potentiality-ize by one side of a result so that it may be represented with a year 2000 problem. I hear that the business field and scientific field also exists with a fundamental error abandoned, and there is mysterious one.

[0059] In the present condition that software occupies one corner of infrastructure, it must also care about actualizing a software technical problem as one of the social problems.

[0060] The present software technical problem is the result of being based on the error of how to catch software, and package-ized improvement-ization of the countermeasure, for example, an outsourcing method, business software, and programming language will add unnecessary things to the error further inevitably, and cannot become a means to conquer a technical problem.

[0061] The de facto standard method with which bad law also hypertrophies the error of the present condition of a doctrine in law in the semantics brings a result which stops recognition of software at the artful tail, growth of the persons concerned is checked by that cause, and, as for the structure of the present condition which only the well-informed person who only participates in the art serves, the future of software is just ruined.

[0062] By the technical aspect, efforts to ask the development maintenance cost of software for rationality are not performed [hear / I / that it has become], and the signs have them. If the function of a physical structure software symbioses with recognition of human being, is materialized, and become independent although only the efforts on management take the lead and the method of leaving a technical aspect to outsourcing is prospering is not the approach of forming a technique and the both-sides side of management at this dimension if it recollects differing, in it, what will not be been conquering a software technical problem is the place about which it can think easily.

[0063] Speaking conclusively, a software technical problem's being the last object which would conquer theoretically and would be controlled on an immediate abacus. It is made for the penalty to be borne as a result as the end user of software can bear as cost.

[0064] (6) Even if it recollects the foundation circumstances of the technical force DOA and OOA for which software development is asked, they are not the principle or solution method in which how to catch software has the universality which does not only pass to one idea in a functional point, but conquers a productivity technical problem.

[0065] With it being consequent, the pursuer in an organization can play only the role

which pursues functional effectiveness, but is considered that those who are present in the position which should be improved will also overlook a productivity technical problem.

[0066] However, if an important thing encounters the problem of a productivity technical problem daily rather than recognizes only functional effectiveness from which the people of such a position are also forever represented with play software or PC software and a problem pulls, it is essentially conquering this problem in view of affecting the life-and-death problem of a company. The productivity technical problem of software is the last problem which would transpose to functional effectiveness and would end.

[0067] If a productivity technical problem is faced squarely, the technical force of software development is making required software at a low price early, and it should be distinguished from thinking of the goods-idea which made functional effectiveness the keynote. And the method of the existence of software which is advocated by LYEE concerning this invention should notice the principle of existing based on the approach of making at a low price than a hard product.

[0068] Unlike pursuit of the functional effectiveness in software building a physical structure, everyone can take part in the planning, but how to catch the software represented with a conventional method serves as **** inevitably. It is the cause in which the **** causes a software technical problem.

[0069] Even if the functional effectiveness which was [even if] excellent in the software of a conventional method is acquired, in the point that the method of the existence of the software is not accordant to providence, the fact that the jump of development costs and the inefficiency of maintenance are created cannot be denied.

[0070] It becomes a genuine article when created from the thinking method functional effectiveness is also accordant to providence. That is, only software without **** can create real functional effectiveness. The existence created from the thinking method contrary to providence creates itself the operation which recognizes the existence abortive, and it makes the existence strip gradually and it comes to make it ****** at last.

[0071] In this invention (LYEE), this structure is called negative structure. The conventional software is in the situation of just building negative structure.

[0072] (7) Some examples which the thinking method for creating negative structure about negative structure forms are shown.

[0073] ** Although as for package commission construction relation becomes complicated and reason becomes high cost after all, because the logic ** trust side which

tends to be made to overlook a synthesis method and is going to improve a software technical problem by components[impossible]-izing and its communalization theoretically does not have the special development approach Although it can claim freely on any ideas on business if a logic developer's merits and demerits considered that software development is rationalized with the logic ** business use **** package claimed to be a low cost-ized measure are set aside The selection is by no means light on a duty because an installation side makes a real user pay cost. Although surely bad law may also have the semantics of an indulgence in the totalitarianism (de facto standard) of law, it is such and it cannot be good that the solution in question is made from the origin.

[0074] The semantics which we human beings create is diversified with time, and neither components-izing nor communalization is materialized because there are no physical properties in semantics. So, if it can recollect that it is that in which software is materialized as semantics, it can be understood that it is a natural conclusion that neither components-izing nor communalization is materialized also softly.

[0075] There is never no function of software in the those side who use side it can create semantics that is, in the relation between the information processing system which mounted it, and its user what is the thing of the operation created and a system side creates. So, unless the software which can create semantics autonomously appears, the system which mounted software and it cannot create a function autonomously. Incidentally, if a recognition technique is made to complicate, the artificial intelligence made to regard it as bringing close to intelligence will also be only negative logic. It is impossible to form intelligence, unless the device in which semantics is created is materialized. And we cannot have theoretically the thinking method for forming the software which makes semantics.

[0076] If it can assent to be unable to make a function soft and autonomously, it will become obvious that it is an error to catch the method of the existence functionally. In that, surely, although software spreads by those who make the analytical thinking method of functionalism elated, there is no thinking method for catching software correctly on the production of the analytical thinking method. Of course, it is impossible to make the expert of the well-informed person who follows them create it.

[0077] the software with which the success or failure of software development were developed with the conventional method -- even when -- it cannot push and measure in the moving talk which moves, and should be measured by costs, the validity of a period, the quality of maintenance efficiency, etc. because it is moving. If an idea is changed such, the development track record to this can be called a success, or a question will

produce it.

[0078] The decisive defect of a conventional method exists in changing to ****, if it will become a program, however specification may be written well. And if it recollects a software technical problem originating in this ****, and generating it, the success or failure of software development will be an outstanding event in the amount of the amount of ****.

[0079] This **** also of a year 2000 problem is the cause. Although the persons concerned are trying for such [again] a thing not to arise hard, however it may try hard, unless **** disappears from software, it is obvious ** that the problem of the same property is repeated. Unless it is freed from a conventional method, contrary to efforts of the persons concerned, **** will be coped with with the right hand, and the further **** will be created with the left hand. If it sees from head lining, the world like the comedy at which it cannot laugh is developed.

[0080] Since that software development determines an upper specification can make a program easily difficultly, the productivity of a program also has the idea of saying that it does not care. However, the recognition is an error which is hard to save. In a conventional method, so, it writes and becomes **** as a program not related like, and any upper specifications take an example by the thing [that the enactment nature i.e., verification, cannot be performed if an upper specification moves a program and it does not come out], and they are clear. [of the reason]

[0081] It is the proof which shows that an upper specification and a program cannot exist individually but this relation must interdepend each other on each other. In a conventional method, if those who do not know down-stream troublesomeness cannot understand that a program cannot be made only by the upper specification, either, they can say that he must not be concerned with this field, either.

[0082] The track record of a conventional method must face squarely the situation of being the object based on the approach it has decided the upper specification whether to be the right or not not related, making a program. If the correspondence relation between the upper specification of a conventional method and a program is investigated, the actual condition will be that only 50% or less extent of the information which specifies a program writes by the upper specification, and has not run out.

[0083] Nevertheless, the illusion suppose that the above upstream and lower streams of rivers are separable of the illusion has arisen also in the persons concerned. And a more mysterious thing is that the illusion becomes remarkable, when the experienced person who was making the program before also turns into a manager.

[0084] In this invention, it is concluded that such an illusion must be called ignorance.

Only LYEE which matches both formation relation theoretically makes an upper specification and a program become independent, respectively, and it is made to exist in it.

[0085]

[Problem(s) to be Solved by the Invention] It is considered to be the cause that the trouble on these conventional technique was not able to deny completely room for group human nature to enter into the interpretation of "volition manifestation" of a client about an upstream point probably. Next, a lower stream of a river is considered to be because for the independent program for every word to have not been collateralized.

[0086] In order to consider the productivity of software, it must not be able to rub above all but group human nature must be able to be eliminated. Eliminating group human nature from software production will say that the same source code is obtained, even if who makes. It is because that there is no room for a software producer's **** to enter means that there is no group human nature.

[0087] However, it must be because the system which separates the "interpretation" action which are **** "which eliminates group human nature", and a consequent event, consequently goes back even to essence although it is called software, traces the essence of software, and produces group human nature from the source code as actual existence of software and this source code in this essential level in order to invite a target event is built. It is because group human nature will become indivisible in process of the terminological selection which a person concerned performs if it becomes what and expansion application of the way of thinking it is supposed that it is what simulates the existence event actualized from there in software with people's logical structure and thought as the starting point (that is, target recognition and a target interpretation action) as it is using the fixed vocabulary will be carried out no examining oneself.

[0088] Thus, in the conventional software industrial engineering, by saying that the degree which personal capacity, such as experience of SE, knowledge, and application force, influences in a series of processes of a demand definition, a design development, a detail design, programming, compile, a program test, and a comprehensive exam is large, **** arose and the technical problem that a huge effort and time amount were consumed in software development and maintenance as a result occurred.

[0089] Moreover, on the other hand from the attitude which catches software like a physical structure, there was a trouble that the soil itself which essence of software cannot be recognized, but what can be called true "technique" as a software production theory does not root [itself], but software is only produced [itself] with experience or a makeshift, therefore makes productivity improve truly did not exist.

[0090] The "technique" proposed variously until now and a "tool" are accepted [which came to solve no technical problems in software production fundamentally] to be things although the cause of fundamental of the trouble described above was not considered

therefore.

[0091] Now, the developing method do not produce **** must be asked for what brings about the dramatic qualitative change of software production.

[0092] First of all, the requirements for development of an information system are expressed "verbally [verbally (language)]." And the program which it is as a result of development is also made of "verbally [verbally (language)]." By the side thought to be the side which emits requirements, the semantics of this "language" is correctly the same, and is not necessarily acquired. It is because the interpretation of "semantics" varies with human being's situation, experience, etc. if it becomes what. For this reason, if the "language" which cannot specify clearly (namely, uniquely) semantics [the place which is a reason for "having interpreted" the requirements expressed with "language" and having made the program from the development process] until it results in those details is treated as it is It is impossible with a natural thing to reduce **** called an interpretation, and it has not settled that 100% of near intention that the done program emits requirements becomes a program as it is. Furthermore, at the process of maintenance, he does not understand as the intention at the programming time, and correction cannot necessarily be earnestly done appropriately on it.

[0093] On the other hand, the computer necessarily not treating humane "semantics" and only treating the notation does not require garrulity. "Semantics" is that of what was given to the data, when the data which the computer displayed are seen and human being catches the data.

[0094] Thus, the trouble which the conventional technique has will result in having treated semantics and data as a neutral thing as a thing of this dimension, and having taken the hard technique (structure-approach) of having been the industrial mainstream till then to a literally soft thing called software in software production, if it attaches.

[0095] This invention is made in order to solve from the origin the technical problem on the conventional technique which was mentioned above.

[0096] That is, conventionally [of dividing clearly the "structure" which produces the "semantics" which human being catches, and semantics, and catching it], this invention is catching software in the completely different way of thinking. The decision approach of the software which clarifies essence of software, the operation of software, A record medium, a processor, the software maintenance approach, the transplantation approach of software, The management method of software, the creation approach of a processing line route map, the creation approach of a pallet function, The decision approach of the field of a pallet, the creation approach of a pallet chain function, the creation approach

of a phase element, The creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0097] Moreover, the decision approach of software of specifying software by catching the essence of software by this invention with the simple structure which imagination did not attach in the former, either, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0098] Moreover, the decision approach of the software which this invention does not need personal capacity, such as experience of SE, knowledge, and application force, for software, but can be automatically generated only with a mechanical algorithm, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0099] Moreover, this invention eliminates operating logic from software open fit business by this. The decision approach of the software which makes business process logic unnecessary and makes unnecessary a design of the part currently called the

upstream in the conventional method, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0100] Moreover, the decision approach of software that this invention can ask coincidence for requirements and software, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0101] Moreover, the decision approach of software that a development process may be revolutionized because this invention makes surprising extent shorten a man day and a process, and a development cycle, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0102] Moreover, this invention makes unnecessary development organization which the former stratified by that. The decision approach of the software which makes it possible to release SE from a program and to make a more advanced professionals kind go, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0103] Moreover, the decision approach of software that anyone can do it easily as for maintenance, as for this invention, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0104] The decision approach of software that this invention enables overwhelming time amount compaction of software development, and great effectiveness can furthermore also be given to a management side, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation

approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0105] Moreover, the decision approach of software that this invention revolutionizes the state of software property and management innovation may be realized in true semantics, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0106] The decision approach of software that furthermore this invention revolutionizes a development estimated method from old fundamentalism to performance-based system, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0107] Moreover, the decision approach of software that this invention makes normalization of a database unnecessary, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of

an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0108] Moreover, the decision approach of software that the fundamental solution approach that this invention differs from the former in the so-called traveling salesman problem is realizable, The operation of software, a record medium, a processor, the software maintenance approach, The transplantation approach of software, the management method of software, the creation approach of a processing line route map, The creation approach of a pallet function, the decision approach of the field of a pallet, the creation approach of a pallet chain function, The creation approach of a phase element, the creation approach of a logical element, the creation approach of an operation element, the mounting approach of software, It aims at offering the software-development approach, the permutation approach of DS, the permutation approach of a data value, the analytical method of a conventional-type program, a software-development management method, the operational administration approach of software, a parallel computer, and a decision auxiliary device.

[0109] Furthermore, this invention aims also at opening the possibility to fast invention based on existence providence.

[0110] Speaking on the whole, this invention's aiming at offering revolutionary solution on the problem of the conventional software.

[0111] The universal property in connection with software in the background of this invention which makes this possible, Namely, it is a thing generable for the first time on the assumption that the theory of LYEE which can determine the only software which will not need any personal capacity by the time it results [from the decision of requirements] in the decision of program logic. Consequently, it becomes possible to offer the generation equipment of the software which can attain improvement in productivity (a man day and development cycle), equalization of quality, and easy-ization of maintenance, and the generation method of software.

[0112]

[The concept for solving a technical problem] In solving the technical problem mentioned above, a fundamentally different approach from the conventional invention technique is used for the invention in this application. that is, the conventional invention -- the conventional technique and a known technique -- those faults -- it should compensate -- amelioration -- in addition, the thing which accumulates a technique so to speak -- if it says, it can be said that they were use invention and amelioration invention. on the other hand, although the invention in this application calls it the software solved as a result of discerning the cause of the limitation which the conventional technique has brought about and deepening meditation in order to solve an above-mentioned technical problem truly, it expresses software by the general form from essence (in namely, form of a function), and it takes the approach of calculating the correct answer of software by carrying out the solution method of this function. That is, it solves the origin which forms the problem and the technical problem, the invention in this application is not the advanced type of a certain technique, it renews a view of the world so that these may be solved, and it offers a means to solve a technical problem (applying these natural laws) based on these view-of-the-world slack natural laws.

[0113] this invention person etc. has already advocated the process of new and innovative software (one affair is the international public presentation number WO 97/16784, and one more affair is the international public presentation number WO 98/19232.). These are called LYEE (Governmental Methodology for Software Providence). This invention adds various devices to these invention, deepens a principle further, and expands it more, and it is obtained as a result of developing these further.

[0114] It can be defined as "software" being a series of instruction groups using specific programming language decipherable inside [for carrying out actuation for which people ask to a computer originally] a computer. If based on this definition, it can be said that the conventional "software" is the aggregate of the semantics of an instruction group for SE. That is, when the logic for carrying out desired actuation is expressed in the computer as "semantics" here as an instruction which consists of a code train using specific programming language The actualized existence event of this instruction group (that is, "the existence which is in sight", a call, and the thing which cannot be recognized are called for this the existence which can be recognized with vision, an acoustic sense, the tactile sense, etc., and the following, saying "it is not visible".) It shall be specified as the relation between a thing including both logic interpreted as making the actualized existence event exteriorize (it is not visible), and the logic which is latent in the instruction group actualized when putting in another way.

[0115] This software will be "semantics" if it sees from a those [who make it], i.e., SE, side, but it is soft, and if it sees from this computer side that operates, it cannot say it as the "semantics" in the semantics of not passing to enumeration of a mere code but including the latent logic mentioned above. If it becomes what and will carry out from the principle of a von Neumann type computer, it does not pass for CPU to perform conditional branching, repeat actuation of the count of predetermined, etc. based on a data transfer and a copy, and a numeric comparison between the specific addresses of the interior of a register, and memory, but there is the cause of fundamental which the conventional software industrial engineering holds just at this point that is because there is no room for a computer to interpret logic from the instruction (group) with which it was actualized. namely, **** of those who are the subjects of the interpretation action although the action of "an interpretation" goes into the "semantics" as potentiality-ized logic therefore -- not entering -- it is because it cannot obtain and group human nature cannot be eliminated. If it sees from reverse, and it is going to realize a certain logic and function and two or more human beings will make software on the conventional technique, the software (place as used in the field of the former) as a concreteness object with which the logic was actualized by people since the interpretation was of infinite variety cannot but change with people. Therefore, if it is in creation of the recognition unification action slack document which hits doing a team activity if it is in the place of software production, and the place of a meeting and software maintenance, it is indispensable in the injection of the immense time amount to trace of document investigation and the source code list of [for reading recognition of a software manufacturer] etc., and that these had spoiled greatly the productivity and the efficiency in software production and maintenance is the fact that it cannot deny in the industry concerned.

[0116] In the invention in this application, all of the "semantic interpretation" influenced by the personal capacity of the cause of fundamental which had spoiled productivity and efficiency greatly in the conventional method is removed from software. At the same time it specifically inserts in the 1st program paradigm with predetermined structure the identifier which identifies the program as the program and makes the 1st program group The same identifier as the 1st program is inserted in the 2nd program paradigm with the predetermined structure for setting the condition for forming the purpose of the program group of these 1st as the data address shown by the identifier, and the 2nd program group is made. As a source program, it is only this. That is, since an identifier is only inserted in the program paradigm which only has predetermined structure, the interpretation of semantics is not needed in process of a programming,

therefore the effect of group human nature can be eliminated. However, in the predetermined structure which forms this 1st program group, generating a data value at the data address shown by that identifier by given operation expression is permitted. [0117] If this source program is object-file-ized and this is operated based on the concept of synchronous structure (the detail about the concept of "synchronous structure" is mentioned later), the function realized with the conventional software will be embodied naturally. Synchronous structure is the structure of the LYEE proper which realizes logic which generates a data value only by data coupling so that **** may be mutually doubled between the 1st program group.

[0118] The predetermined structure concerning the predetermined structure and the 2nd program group concerning the 1st above-mentioned program group does not have a change for every requirement or software. That is, the structure of the 1st above-mentioned program group and the structure of the 2nd program group are universal structures, and do not have a change for every requirement or software. That is, it has the universal structure concerning the universal structure and the 2nd program group which realize what kind of function and which start the 1st above-mentioned program group even if it will probably be soft, and does not have the program of other structures which people's **** mixed. The things itself of spending an effort on grasp of the requirements which the client in the place of software production expresses by this, construction of the software logical structure, and construction of the logical structure surely conventionally followed on the activity of coding are lost, and group human nature can be eliminated as a result.

[0119] Then, why are the 1st and 2nd above-mentioned programs sufficient for the program which it has inside although the functions to achieve differ? That is because the logic and the function realized with the conventional software are realized by the activation based on the concept of the synchronous structure of the 1st object-file-ized program group and the 2nd program group. This point is explained further in full detail behind.

[0120] Moreover, software is caught from another viewpoint.

[0121] Software is an answer for realizing a certain demanded function. That is, if it sees mathematically when there is a demand of wanting to realize a certain function using a computer and it is going to make what fills this demand using software, the software which this demand is a proposition and is join fruit will be a solution with which a proposition called this demand is filled. When thinking by such graph, there could be only the number of human beings with which a "solution" is engaged to a certain demand definition that is, innumerably conventionally. For this reason, for the

people's intention non-dense passing reason, also at the place of being forced a serious effort by debugging and software production, huge time amount and time and effort were applied to the substantial slack meeting and document.

[0122] And once the huge document which carries out the claudicaton actually, makes it 10cm binder of done A4, and sometimes rises also to dozens of volumes is made, the present condition is hardly accessed after that. being referred to also in that time, although the opportunity which may be accessed can consider the aspect of affairs of debugging, employment, and maintenance -- the whole -- very -- being small . Thus, it is thought that the fundamental factor which alienates the productivity of this industry remarkably is in the place it is natural to apply huge time amount and time and effort to creation of the document which turns into the useless thing which is not substantial almost eternally used from the moment of making.

[0123] in this case, current [from which only one correct answer (henceforth "the correct answer of software") is obtained to the above-mentioned proposition / which was mentioned above when becoming] -- most problems made unescapable are cleared. If it is only one correct answer at all, it is because the very thing becomes unnecessary for a people's intention non-dense passing reason. This application offers the approach of calculating only one correct answer from the proposition of all software.

[0124] Then, how does it ask with the correct answer of software? First of all, does it exist with the correct answer of software? Supposing it exists, what kind of thing is it?

[0125] In order to reply to these questions, it is necessary to explain the principle which controls the mechanism which studies that essence for what software is really, that is, forms a semantic structure called software, and to decide upon the mechanism for deducing the correct answer of concrete software to a concrete proposition from this principle.

[0126] As a result of continuing the activity for standing on these recognition and calculating the correct answer of software over the past 30 years, the artificer of LYEE discovered the above-mentioned principle (drawing), and invented the mechanism which deduces the correct answer of actual software from the principle.

[0127] Then, what is software? Needless to say, it is enumeration of a code (notation) as software. although people give semantics to enumeration of this notation or people interpret semantics from enumeration of that notation, it is **** about the signal for directing control of a certain electrical signal, if it becomes seen from one computer side -- it is not alike too much in **. Ultimately with control of the electrical signal, it is classified into the comparison with the data in the permutation of the data in a certain address, the repeat of fixed within the limits, and a certain address, and the data in

another address, and actuation of ********. A complicated function is realized, that is, a proposition is made satisfied with these fundamental functions combining.

[0128] The essence of software is in the two-facedness of this code (notation) and the semantics given to it. A computer is only the machine performed faithfully as the directions which were able to give a certain signal, and it has not said interpreting semantics [a computer] etc. from the essence of a computer. Saying needs to explain this "structure where semantics is attached to a certain code." About the structure of the "semantics" which the "semantics" and human being human being wants to tell recognize, it considered as the object of fields, such as psychology, traditionally, and did not see as a field of science. Supposing it is not the criteria of science in the reason for not being material, it must stop however, also having to deny the concept of "time amount" in the elucidation of "semantics." Conversely, if time amount can be set as the physical object, it will be considered that semantics does not conclude it as what may be excepted from the object of science simplistically, either.

[0129] Even if an object is physical existence, in order to catch the truth correctly, the thinking method for catching it is required noting that there is an existence which is not in sight. At LYEE, "the structure where semantics is attached" (only henceforth "structure of semantics") is caught by quantum-mechanical application.

[0130] Now, what the client's having expressed and SE interpreted is called existence event in the semantics of the actualized existence. An existence event is meaningful as itself, namely, I hear that an existence event has the semantics different from the thing with the other existence event, and an existence event slack reason has it. Existence of the ultimate quantum which has the property (suppose hereafter that it is called "significance".) which forms the original semantics which is inherent in existence ****** bundle ******, i.e., an existence event, in such an existence event to be main is considered (origin). What materializes the existence event to which the event in which this ultimate quantum exists has connoted the "semantics" said to "structure of semantics" is said.

[0131] All matter the physical ultimate world which consists of a certain quanta as it is main, and the world where all semantics consists of quanta called the significance of the ultimate existence even if the former is a material existence and there is difference that the latter is not a material existence -- which [the] -- although -- since it is applied to the object which should be recognized, i.e., the concept called "existence", on the extreme level, I think that there must be common structure. The world expressed with LYEE by the wave function used by the quantum mechanics which is in extreme level as a principle of a material existence is applied also to the world of the semantics which is

not a material existence for this elucidation.

[0132] The quantum theory produced in order that the view of the world explained by quantum mechanics might explain the real phase of this world in the quantum level which explanation does not attach in Newtonian mechanics is a premised view of the world. This detail is detailed to the wave equation of for example, a SHURE DIN gar, Heisenberg's uncertainty principle, or Bohr's atomic model. However, the present condition is that the various views of **, such as the Copenhagen bundle and the London school, are jumbled up about the wave function for explaining the world of this quantum mechanics correctly solving a difficult problem called the problem of observation (namely, structure of semantics) how. About the circumstances of this hit, it is detailed in the Nakagome lighting work "**** physics."

[0133] Although LYEE developed the theory of the Copenhagen bundle more, the view near an opinion and a view which is in Baum's holography space model theory are used for it. Although these opinions set an elementary particle as **** and the physical origin, i.e., ultimate base of the object which are all material existences, and the electron is turning around the surroundings of an atomic nucleus as structure of this elementary particle, that way of turning is adopted for what is controlled to be a wave function. Moreover, if it stands on these opinions, moving from this electron to another orbit to a certain instantaneous next moment will be the phenomenon which has usually happened, and that motion will have transcended space-time in that semantics. Moreover, the existence of **** can also be defined (assumption), in addition to the property in which this **** transcends space-time like an electron, there is no mass, information is recorded, and it has the property in which **** does not disappear with this recorded information.

[0134] Although above-mentioned Baum's etc. opinion set a thing called an elementary particle to the extreme of the object which is a material existence, in LYEE, it is earnestly applied to a view of the world that material existence also consists of an elementary particle of the semantics which calls all of un-material existence a "modality" as an ultimate basis of the concept called these existence.

[0135] Now, the "**** system" which is the world of this space which can be recognized does not exist independently in itself. Significance can be recognized just because ** is existed relating with the world of the "**** system" which is the world which cannot be recognized although there is no space-time and there is no space-time therefore. And I think that the "**** system" is maintaining order just because the system of the both sides has constituted harmony although it is the relation of ** therefore. And the significance of all the "**** system's" existence event is inherent in the **** system as

that in which the elementary particle of semantics was collapsed quantum-mechanically, and the assumption that that "semantics" arises is considering this as the origin is set. If it carries out, naturally the "correct answer of software" to a proposition should be collapsed in the "**** system."

[0136] In LYEE, the approach of drawing the correct answer of software to a certain proposition which must be in the **** system is thought out. namely, -- consider as the "idea space" which makes in LYEE the structure which a "**** system" is shown in "natural space" and shows a "**** system" in drawing 318 (it is equivalent to Baum's etc. theory so far), and the idea space is still more nearly main -- alike -- all existence -- base -- it is assumed that the "unknowable space" where a modality exists exists as relation of ** of idea space. By carrying out a reverse solution, the equation which controls the system after the modality solves the mechanism which results in semantic formation the approach of drawing the correct answer of software to a certain proposition is thought out -- if it puts in another way -- drawing 13 -- or -- or the world expressed by drawing 53 what is made into "the **** system in which all were collapsed" after standing on the view of the world of quantum mechanics -- further -- taking shape -- another world (unknowable space) before a "**** system" -- it is -- behavior of the modality from the unknowable space -- "-- it is collapsed and principle-izes that it is the algorithm of the method of.

[0137] The difference between the existence of the matter, and the existence of semantics set to be recognized As opposed to ** former which is the existence which is not material completing semantics from the essence in quantum theory-structure to ** matter being a material existence ** matter (at least -- human being's vision --) completed only after, as for the latter, recognition of human being joins the quantum theory-structure of semantics further the level which can be recognized with an acoustic sense, the tactile sense, etc. -- setting -- recognition of human being -- it is considered that the difference of recognition arises by between an addresser, an addressee, and its others, and an only point etc. has a meaning in the semantics to the ability to say only-like, without changing to how.

[0138] A more concrete difference and the more concrete secret of the quantum theory of the matter and the quantum theory (LYEE) of semantics are explained below.

[0139] Namely, the world manage the process (process) in_which the world (it was said above that it was presupposed that that world is called "natural space" here.) where that existence can be recognized by making it into it, above-mentioned **** system, i.e., man, and its existence are created as that existence (LYEE thinks that this world consists of "establishment space", "event space", and "equivalence space".) And speaking

conclusively, being defined as "establishment space =W02", "event space =W03", and "equivalence space =W04." These are explained in full detail behind. The assumption that the recognition space which has 2 worlds, and the space to call exist is set. And the assumption that consciousness space and the space to call exist as the world of the relation of ** of a "**** system" where the origin (origin), i.e., the significance of all the "**** system's" existence event, for this recognition space to create existence is collapsed quantum-mechanically by the elementary particle of semantics is set. The assumption that the world which furthermore consists of this recognition space and consciousness space is making idea space and the space to call is set. And the assumption that unknowable space and the space to call exist as the world which has the relation of ** of this idea space is set.

[0140] and ‥ although it becomes the elementary particle of semantics in the unknowable space located in the origin of existence ‥ **** ‥ when a basis exists in the primitive mode (the modality which exists in this way calls a "primitive modality".), the consciousness space and the recognition space where a material existence and all of the existence which is not material made unknowable space the origin, and minded idea space pass ‥ the assumption of being created as an existence event sets. It considered as "semantics" among "the elementary particles of semantics" because ****** bundle ****** was the existence (is it distinguishable from others or not?) of semantics, and it recognized existence the "elementary particle" because it was considered the minimum unit which forms existence in idea space. Moreover, in "unknowable space" other than idea space, "the elementary particle of semantics" is not formed yet, and since only the primitive modality which becomes the basis which forms the "elementary particle of semantics" in idea space exists, the expression "the thing used as the elementary particle of semantics" has been taken.

[0141] However, although the identifier of "space" as "recognition space" here, "consciousness space", and "idea space" is given for convenience, the concept of a dimension shall not exist in there instead of the so-called mind of three-dimension space. Since other suitable vocabulary explaining this concept cannot be found, the word "space" is made to substitute. Hereafter, as long as there is no special mention, the concept of a dimension shall not exist in "any space" other than "natural space." In addition, if it is in LYEE, even the dimension of "space-time" shall be treated as an existence event, and shall be created with the algorithm of LYEE. Moreover, mathematically, although the assembly of a certain thing is called "set", it is a certain principle nature (you may call it structure or structural principle nature.) to this set. For example, topological structures, such as algebra operations, such as addition and

multiplication, and distance, etc. correspond. The set is called "space" when defining. Unless especially the vocabulary "space" space [which uses it abundantly by LYEE] Becoming is also refused, this "set by which a certain principle nature is defined" shall be said.

[0142] With moreover, the "existence" recognized the object of LYEE The existence event is meaningful as itself, namely, there is semantics different from the existence with the other existence event (significance should be materialized), If it puts in another way, there shall be structural principle nature which closes the existence in discernment and a recognition lack inevitably as it, and the object which so has the algorithm which can explain logically the relation between the origin of the existence event, the process to the existence event, and the existence event as a conclusion of the process shall be said.

[0143] A "principle" is considered here. A "principle" shall mean the constant type (system) which controls between [in a stable state] elements. That is, it is stable as a premise of a principle (mathematically a balance or harmony). If it combines with the definition (concept in case, as for "space", a certain principle nature may be defined as a set) of the "space" described previously and considers, since "principle nature" is required for "space" and stability is required for a "principle" as a premise, it can say after all that "space" is what establishes stability as a result which takes the principle or it is the concept realized between the elements in a stable state. Moreover, if it thinks that the general thing which has the large semantics of "the property to have a certain structure" for a "principle" as mentioned above is said, it can be said that it is synonymous with having a "principle" to have "semantics."

[0144] Now, there must be the "condition that it is not existence" as relation of the ** in all existence being materialized as existence. It is because the thing "which existence is" can identify as the existence only as contrast with "the condition that it is not existence" when there is "the condition that it is not existence" if it becomes what (significance formation). Unknowable space is the space in such "a condition that it is not existence."

[0145] An assumption is carried out to the primitive modality having the two attributes of **** ranking and a time amount rate as realized in the operation of "the strong force" in which a thing which is called an atomic nucleus and an electron in an elementary particle slack atom and which differs in the attribute mutually says unknowable space in the unification theory of theoretical physics as basis made to follow the concept of "space." "**** ranking" is the attribute of the sequence that the primitive modality in unknowable space jumps out of there. Moreover, a "time amount rate" is an attribute leading to the significance of an existence event. The primitive modality which consists of these two attributes does not have the same thing as two, and the assumption of only

existing in unknowable space without limits is set. If it compares and says, this atomic modality will be a state vector which consists of two attributes. LYEE can say it also as the quantum mechanics explaining behavior of this "state vector", if it compares and says. and expressing a state vector as a probability distribution function -- general -- LYEE -- also setting -- normal distribution -- it is based on a probability density function (it mentions later for details).

[0146] The internal organs of the vital force are carried out to a "time amount rate" between these two attributes. The "vital force" here is force in which the mission of pointing to stability is carried out. As force of not being lost as long as a modality is a modality, even if a modality is in the process which carries out various (it mentions later like) behavior, and making it going to various behavior, this vital force will be committed as **** which controls various behavior as a modality, if it puts in another way. There are two kinds of these "orientation of stability." It is pointing to the stability as self, and pointing to the stability as a system containing self.

[0147] In the light of the principle (if a hot thing and a cold thing are mixed, stabilized in an intermediate temperature) of the entropy of thermodynamics etc., although it is clear providence, it considers below "all existence performs the operation to stabilization" per this point.

[0148] I think that all "existence" has the origin which caused it. if it is called the "origin" in human being's case -- a mother -- it is existence and equivalent to the "**** system" described previously. From the origin to existence, flow and hard flow are not only in an one direction. The flow to the existence from the origin is irreversible in this semantics. From the assumption on quantum mechanics, a "**** system" presupposes that it is the world of stability of the extreme where all were collapsed. When there is a certain existence event (what it is phenomenon-ized from the basis of existence and it can recognize [else] is said), the basis which constitutes the existence event sets with what was flown soon from the origin which is the stable world of the extreme.

[0149] From the ultimate stable world (unknowable space), since the basis of the existence event is flown soon, naturally it is unstable. That it is unstable cannot build space (from the reason explained previously). That space cannot be built means that semantics is indefinite. When becoming what, as it stated previously, it is because "principle nature" and the "semantics nature" of homonymy will be denied if space can be built, the principle nature as the premise will be denied if there is nothing, and principle nature is denied. And it means that it is not existence that semantics is indefinite. "Existence" is because it is understood as saying that this originally has "semantics", therefore that semantics is distinguishable between others.

[0150] "Existence" If the upper thing is said briefly, it cannot be insufficient since "the basis of existence" soon flown from the "origin" is unstable and space cannot be built although principle nature and semantics nature are denied therefore. That is, the way things stand, the basis of an existence event cannot reach that it must have been for the purpose of producing "existence" from the "origin" at existence event ******** and the original purpose. Then, since the purpose which carries out desire of what "the basis of an existence event" does not become an "existence event" must be maintained, all existence tends to acquire semantics nature, that is, points to stability. This is stabilization orientation as self. About the stabilization orientation as a system, it mentions later.

[0151] primitive [which exists without limits] -- a modality -- existence of a vector makes the vital force appear The vital force crawls a primitive modality off from unknowable space according to the principle of the sequence of the **** ranking that there is nothing decisively. The primitive modality crawled off is called a modality, and is distinguished, and the place where a modality exists is called idea space.

[0152] It explains following behavior of the after that of the modality soon flown from unknowable space in the basis which makes idea space follow the concept of "space."

[0153] although the vital force of unknowable space crawled the primitive modality off in the vital force, the place which nose dirt means since it was performed unnecessarily creates existence -- it is merely only in that. If the mission of creation of existence is borne and the only attribute of a "time amount rate" is really taken along, in order for the modality flown soon to result in formation of existence, there must be principle nature in the formation. Principle nature is a property which becomes such inevitably. And the principle nature must have the property and the context which were latent in the origin, and the property must be a property materialized only from the attribute taken along there.

[0154] The property which is latent in the modality in this phase is a mission of formation of existence, and the attribute taken along is a "time amount rate." And only the number of the modalities derived as a conclusion of the situation of crawling off has each property and attribute. Formation of existence of a mission is that the existence may come to be recognized as itself. It is because formation of "existence" is acquisition of discernment from others. It means that it must be in the condition by which it did not change and was stabilized that the existence may be recognized as itself. When it looks down at this phase, from the unknowable space where primitive modalities have gathered without limits, and there, it is the set (there will be few sets of this modality inevitably than the number of the primitive modalities which remained in unknowable

space.) of the modality flown soon. It is because primitive modalities have gathered without limits in unknowable space. It will be.

[0155] That is, two sets which are not stable in respect of a number of a modality of amount which constitute a set will exist. Then, although it was that (stabilization orientation as self) which must be stabilized for the mission accomplishment "formation of existence" (above-mentioned), since the role of unknowable space only crawls a primitive modality off, in unknowable space, the operation of making stability direct cannot perform the two sets autonomously only by there being a primitive modality in unknowable space without limits. Saying is the set side of the modality flown soon (the above-mentioned mission accomplishment sake), and it must give a necessary target the operation to stabilization. And there must be principle nature also in the stabilization. That is, the concept of "space" must be materialized. It is because it can say that stabilization is the "principle" just previously described in the point that the operation to stabilization is made necessary.

[0156] Now, the operation to the stabilization which can be autonomously performed in conformity with principle nature with the set of the unstable modality which crawls, is flown and is floating is stopping suspension. "Suspension" is because a location does not become settled but an unstable condition is said. There must be principle nature also in a halt of the suspension. It is because it can say that it is the "principle" which also just described this previously in the point that the operation to stabilization is made necessary. It can be said that I hear that the concept of stability is in equilibrium, and there is. It is because "stability" can also be considered to say the condition of maintaining balance.

[0157] With what can it say equilibrium is formed? The elements which may form equilibrium in this phase are only the time amount rate which is the only value which each modality has taken along, and the number of modalities which increases irreversibly. If it carries out from the concept of a balance, the condition of telling a balance to the set which consists of even of a modality with an only value respectively will never be materialized. The modality of that (stability is materialized with principle nature) in which a balance is materialized is only the time of gathering a exponentiation individual (3 **** (lambda-1)) of 3. As the stability of three square shapes in mathematics, the stable structure of 3 guide pegs of **, the stable structure (unnecessary structure of a brace) of the truss on engineering, etc. show this, "3" makes the basis natural providence that it is what exteriorizes balance-on structural description - "stability." LYEE has set this principle nature to the standard. thus, the modality crawled off -- the concept of "space" -- with, the existing place is called idea

space.

[0158] It calls saying that a modality forms idea space and here, "the primitive modality in unknowable space sitting down to idea space." Moreover, it calls that a primitive modality is soon flown from unknowable space in idea space according to the **** ranking, saying "A primitive modality is ****·ized."

[0159] Next, the standard of the principle nature used as the inevitable conclusion of the idea space which the modality which sat down formed is explained.

[0160] Drawing 318 is a conceptual diagram showing the structure of the inevitable conclusion of the idea space which the modality which sat down formed.

[0161] As shown in this drawing, the modality soon flown from unknowable space sits down on an idea space's which makes value's of time amount rate scale's existence line (world line as used in the field of physics). The location (henceforth "a sitting down point") which sits down is influenced of the value of the location vital force of each modality. The "location vital force" is (Vi-VB) when setting VB and the time amount rate of each modality for the time amount rate of the modality which arranges the time amount rate of a modality in ascending order, and is located in the middle point with Vi. Moreover, the inverse number (ri) of the location vital force is called "the magnitude of significant space" of the modality. It can be said also as what expresses extent of the breadth of semantics in "magnitude of significant space" ri.

[0162] LYEE adopts a principle with that to which the random variable of "magnitude of significant space" ri of the modality which has the time amount rate Vi in idea space follows normal distribution. That is, the probability density function of "the magnitude of significant space" of the modality which has the time amount rate Vi is [0163].
[Formula 1]
It is come out and expressed. Moreover, a sitting down point becomes settled according to the following principle.

[0164] · The modality to which the location vital force (Vi-VB) before taking a seat is added is distributed over the location of the value of its time amount rate, and sits down. Such a modality is called a "consciousness modality."

[0165] · Converge on the location of (VB-epsilon) and the modality to which the location vital force (Vi-VB) before taking a seat is subtracted sits down. Such a modality is called a "recognition modality."

[0166] · Call a boundary modality, a call, and VB a "boundary time rate" for a modality with the value of VB.

[0167] A boundary modality and a boundary time rate are naturally changed from the definition with the middle point with a boundary modality at every **** of a modality.

[0168] Moreover, epsilon is the minimum value in the theory which expresses the breadth of unknowable space and starts LYEE.

[0169] Next, it explains per [from which the sitting down point of a modality that the location vital force (Vi-VB) before taking a seat is subtracted serves as (VB-epsilon)] necessity.

[0170] LYEE is the theory of creation of existence. The origin makes irreversible the axiom with the space as the starting point "**" ** [which is not "nothing" that is called unknowable space] Becoming. That is, let it be an axiom for there to be no concept of minus or nothing.

[0171] On the other hand, the magnitude of significant space supposes that it has the principle of following normal distribution. That is, the probability density of a modality with the magnitude of the significant space which made the boundary time rate the middle point balances for right and left. Everybody is just going to accept this as natural providence, and, so, it is utilized as the principle of 3sigma, and a principle of five-step evaluation. Now, although the sitting down point of a modality that the location vital force (Vi-VB) before taking a seat is subtracted wants to sit down at the point of the own time amount rate Vi originally like [in the case of a consciousness modality] Since the location vital force (Vi-VB) after taking a seat cannot be subtracted as mentioned above (except for the case of count of ri) a modality with the time amount rate of VB -- smallness -- only the location where only the minimum (minimum value of this theory) value is small is permitted from the value which is a location and does not make minus the location vital force (Vi-VB) after taking a seat, i.e., VB. The value minimum in this theory is the magnitude of unknowable space. That is, (VB-epsilon), a point turns into a sitting down point of the modality of location vital force minus inevitably.

[0172] The modality which sat down to idea space differs in the property of the behavior inevitably from the condition of each distribution. And in respect of the number of the modalities of unknowable space and idea space, and each "magnitude of significant space", since it is in an unstable condition, the further behavior is still continued toward stability. It is "stabilization orientation as a system" which this stabilization orientation mentioned above. It explains below per this point.

[0173] "Stabilization orientation as self (individual)" explained previously was a mission which **** and existence make existence ******. On the other hand, "stabilization orientation as a system" is the balanced demand with unknowable space. That is, unknowable space was "space" of the elementary particle of existence (it mentioned above like) where a slack primitive modality exists without limits that it is main. And the space where the modality which jumped out of this unknowable space sits down is

idea space, and this idea space is the "**** system" as used in the field of quantum mechanics. A "**** system" is the world where all in this world (natural space) were collapsed, as mentioned above, and there is no concept of time amount and space there. It will be said that it is inherent in the vital force of infinity, and significant space sets, and ** is the infinitesimal world since the unknowable space where the primitive modality that whose it says it is the basis of all the existence in the **** system exists without limits has total of the time amount rate of a primitive modality.

[0174] Although it is infinity and infinitesimal therefore, unknowable space is the ultimate ideal world. Even if the component slack modality (or a chain, grouping) has attained stability by itself, the world (system) different from the unknowable space formed of the modality (or the chain mentioned later, grouping which the chain mentions later further) soon flown from the unknowable space will be unstable if it compares with the stability of unknowable space. In addition, the stability of unknowable space is considered that **** by which endocyst is carried out to the time amount rate of a many ways phase has memorized as information. If it carries out, the above-mentioned graph will be applied also here, as for an unstable system, the principle nature as a system and semantics nature will be denied, and there will be no existence ****** as a system. This will be smashed and the operation (you may call it "****".) made into existence ****** as a system will work. This is "stabilization orientation as a system."

[0175] Now, each modality forms structure according to the principle of the exponentiation individual of 3. At this time, that structure is formed as dense structure of the repeated permutation of the exponentiation individual of 3 of the total of a recognition modality, although it becomes the convergence distribution which converges on a location [being above (VB-epsilon)], and sits down if it is in a consciousness modality, and it is in a recognition modality as dense structure of the permutation of the exponentiation individual of 3 of the total of a consciousness modality therefore. If in other words it is in a consciousness modality, although it sits down at the place of the value of a time amount rate, there is no modality to which a time amount rate sits down at the same sitting down point because of an only value in each modality. Therefore, since a many ways phase laps as one and does not sit down, there is how several kinds of formation of the permutation which does not allow duplication in a modality forming structure is carried out.

[0176] If it is in a recognition modality to it, it converges on the location of (VB-epsilon) on an existence line, and it sits down, it laps with the location got blocked (VB-epsilon), and sits down. Therefore, there is how several kinds of formation of the repeated

permutation which is permutation which allows duplication in a modality forming structure is carried out.

[0177] now, a modality -- collection **** of exponentiation individuals of 3 -- the dense structure formed by things forms new significance by connecting relation between independent modalities with the magnitude of significant space equivalent to the sum total of the magnitude of the significant space which each dense structure has in approximation so that it may follow the providence that it points to stability with unknowable space. It is going to become behavior as if the modality which took new significance along with this increased, and is going to attain the balance (that is, stabilization orientation as a system) with unknowable space. A "chain", a call, and the equivalent modality concerned are called an "equivalence modality" for relation with a modality equivalent to the dense structure and it in this behavior. This theory sets the assumption that dense structure is equivalent to the "proposition" of an existence event in this relation, and an equivalence modality is equivalent to that "solution."

[0178] as explained above, as for all existence, this dense structure and an equivalence modality form a chain -- ****** -- it is -- the mechanism of ** thinks that it is the internal structure of existence.

[0179] A "chain" is created by relation equivalent in approximation, it forms new significance, I hear that it is the relation between a "proposition" and a "solution", and what should be minded here has it. This is considered.

[0180] The thing of the attribute with the same attribute of a primitive modality is an assumption which two and the only existence which is not make the premise of LYEE. It will be said that completely equivalent relation is never materialized from this. The providence of the exponentiation individual of 3 is considered that that of principle ******** makes this approximation-equivalence relation the background. Moreover, by making it into it, each other can be identified mutually and others can identify that it is close to self, although that the significance is given with what [different] has the relation of ** to the element which constitutes it and the relation is approximation-equivalence therefore. What it is supposed that "semantics" and "existence" are in such a condition is the theoretical conclusion of LYEE. If it compares and says, the relation between one electron and atomic nucleus will be the semantics of hydrogen, and it will be existence. Moreover, it can be regarded as the end which can guess the credibility of it considering as the conclusion of LYEE that the relation between two electrons and atomic nuclei is the semantics of helium, and is existence.

[0181] Naturally semantics and software also go into this "existence." The "existence" of software is considered to be ****** bundle ******** by the chain of the "proposition"

which is dense structure, and the "solution" which is an equivalence modality by saying, i.e., consciousness space. Therefore, it can be said that it exists in consciousness space as the proposition and solution to at coincidence.

[0182] However, this consciousness space must have the constant formula and device which form the thing in intention space in natural space, in order to calculate the proposition and solution to, since it differs from the "natural space" which may be perceived daily [human being]. About this point, it mentions later.

[0183] Detailed explanation of chain formation is omitted. It is because it does not have direct effect on the indication as the invention in this application.

[0184] Now, the chain by the consciousness modality is called a "consciousness chain", the chain according the space to "consciousness space", a call, and a recognition modality is called a "recognition chain", and the space is called "recognition space."

[0185] From a consciousness chain making a proposition dense structure of the permutation of the exponentiation individual of 3 of the total of a consciousness modality, as mentioned above, the equivalence modality is materialized in only. This consciousness chain regards it as what collapsed the significance of all existence events.

[0186] On the other hand, as are mentioned above, and the recognition chain was mentioned above from making dense structure of the repeated permutation of the exponentiation individual of 3 of the total of a recognition modality into a proposition, the connection with the equivalence modality cannot be determined as the redundancy, therefore meaning. However, for achievement of the mission of the balance (stabilization orientation as a system) with unknowable space, construction of a chain is positioned as a supreme command. Then, the correct answer of the modality approximated to a modality equivalent to the dense structure of the repeated permutation must be looked for somehow. Since a consciousness chain is one of those by which the significance of all existence events was collapsed in the happy thing here, it is going to determine an equivalence modality by asking a consciousness chain.

[0187] A reply of as opposed to "an indication" and its indication from a call and a consciousness chain for an inquiry for the consciousness chain for equivalence modality decision equivalent to convergence dense structure is called "association." Although a certain vital force is required in order to perform the operation of the indication inevitably, if the chain materialized by chance bears the vital force and it is said inside the dense structure of a repeated permutation, it will pull a trigger. The chain which manages an operation of this trigger, i.e., the operation of an indication, is called an "establishment chain" on the chain materialized by chance inside dense structure, and that space is called "establishment space." And the chain materialized by association,

i.e., the chain materialized according to the reply from a consciousness chain, is called a "event chain", and the space is called "event space." Establishment space and event space are included in recognition space so that clearly from a definition.

[0188] The dense structure of an event chain points to magnification as a stabilization-oriented solution as a system. As a result, dense structure of an event chain "is divided." This is because the mission of the balance (stabilization orientation as a system) with unknowable space is considered to be succeeded into the attribute of a time amount rate as information. The chain of the disunited dense structure is carried out between the independent equivalence modalities which have the magnitude of the significant space most approximated to the sum of the significant space of the modality which connects relation between new equivalence modalities, that is, constitutes the disunited dense structure from it. In this way, the happening chain is called an "equivalence chain" and behavior of "equivalence space", a call, and a "fission -> chain" is called "normalization" for the space. Two equivalence chains which made fission the opportunity (KIKKAKE) and were materialized create a new equivalence chain inevitably. It is because ****, i.e., the vital force, that the chain which forms dense structure will be performed is not lost although the reason pointed to magnification and it was divided. Thus, two disunited equivalence chains call it "grouping" of an equivalence chain to create a new equivalence chain.

[0189] The equivalence chain which grouping completed secedes from equivalence space. The equivalence chain from which it seceded is called a "natural chain." Since the conclusion of grouping is because the chain was unit-ized, it calls this "unit-ization."

[0190] Thus, an establishment chain (W02) ->(indication) -> consciousness chain (W01) ->(association) -> event chain (W03) ->(normalization) -> equivalence chain (W04) -> (grouping and balking) it is the background of a software generation method that LYEE has established [the assumption that it is ******** structure] semantics [-> natural chain (W05)].

[0191] that is, "semantics" is formed -- being main -- **** -- unknowable space is made into the origin and it jumps out to idea space, and the modality used as the base of the elementary particle (it is -- a chain) of semantics forms a "chain" in the process in which the balance with unknowable space is served as a mission in idea space, and thinks that it exteriorized in natural space.

[0192] (That is, to what is exteriorized in natural space as a certain semantics, the equivalence (value of magnitude of significant space approximates most) modality corresponding to it surely) the assumption that the structure of existing in unknowable space exists solemnly is set. Since it is thought that the structure of LYEE which results

in recognition of this semantics of a certain can be called necessity, therefore universal thing based on that principle nature and it, it is the form generally accepted, that is, can express as an equation. This can think that the mechanism human being recognizes semantics to be was added to the quantum·mechanical world of the semantics considered to be the same situation as for a SHURE zinger equation to exist as an assumption for expressing the physical development in the quantum world.

[0193] In addition, although this SHURE zinger equation cannot prove that rightness directly with unnecessary addition, it has that existence of the situation contradictory to being described with this equation is not accepted, and the right is presumed indirectly. It is not just going to make certification of the rightness of the above·mentioned principle considered to have developed this paper into this SHURE zinger equation into that real intention. However, if the common feature of semantic existence and physical existence is considered, the right thing of an above·mentioned principle will be presumed rationally. But the place made into the purpose of this paper is to indicate appropriately invention which produces the effectiveness which is predetermined, and it is ineffective size using the principle to the existence event of software, after assuming the principle to be the right rather than the certification of the rightness of a principle. And about this equation with which the invention in this application is based, it can be said that it is that to which the actually made effectiveness proves the rightness by applying the invention in this application in many companies made until now so that it might mention later.

[0194] The talk is returned to a previous equation here. The equation which describes deterministically the relation of a certain semantics and equivalence modality of that is given by $rj=Tij$ (ri), and names this an associative equation. here ·· rj Semantics ri in natural space the semantics in consciousness space ·· it is ·· Tij Space phase function it is . Without this associative equation remaining in the structure of semantics, all existence events are built based on existence providence, and the structure to which significance is given as existence with that existence being recognized is given. The semantics of this associative equation means (if the above·mentioned associative equation is applied to the immaterial·like existence of semantics), A certain primitive modality sits down that the elementary particle (the chain in idea space corresponds) of the semantics which constitutes the semantics is main to idea space to a certain semantics. The structure of semantics of making a chain and grouping is searched for (an equivalence modality hits [the dense structure of the chain] a "solution" in a "proposition"), and the composition recognized through the word made into a means by which people recognize the existence event as semantics in natural space is considered.

then, that word -- minding -- each man -- that "truth of semantics" of the semantics recognized personally can be caught by solving this associative equation in approximation (the "process of behavior of this semantic generation -- it is made to make" it reversible -- that is, it says, "a reverse solution method is performed".).

[0195] In LYEE, in order to perform this reverse solution method, a ****** type is set up. If a ****** type compares and it says, it is expressed with the graph of kaleidoscope. In this way, the acquired solution is the form of an equation too and can be expressed as T=phi ({phip{Lk-i, 2} k}+phip{Yk-i, 3, Ld-i, 3} d+ {phip{Yk-i, 4, Lk-i, 4} k}). This equation is called a scenario function. That is, when a certain semantics exists in the natural space which we can recognize, although it becomes between natural skies, therefore although that semantics is equivocal and it is unfixed, the dense structure of the consciousness chain which is also the origin (namely, proposition) of the origin of this semantics will be searched for with this scenario function as most important thing. And as mentioned above, "semantics" means that the correct answer of software which realizes the function is calculated by making a word into the variable of a function, when it is going to make the software which realizes this, i.e., a certain function, since it is the ultimate figure of a "function."

[0196] In the phase of this scenario function, it is merely the talk which excepted natural space still. Making software must be decided as a code, i.e., a notation. Next, what should be carried out is making the actual natural space where this time amount's and space's exist take out that is, exteriorize the chain (that is, dense structure and its equivalence modality) which the scenario function specified as a thing corresponding to a certain semantics expresses. And LYEE established that it was the concept which the only conditions that the hauling **** is materialized call "empty" for the first time. For this reason, it is required to scrutinize a previous scenario function once again. This point is explained in full detail behind.

[0197] The approach which is concretely based on Lyee, and produces and manufactures software is as follows.

[0198] first, the thing used as the interface (henceforth a "definition object") of the exterior and the computer which saw the path of desired actuation from the computer side, such as human beings (here software user), such as a screen and a document, be involved -- it decides upon the processing line route map which ******. This processing line route map is the document it was described that could grasp the flow of processing of the whole software by one sheet, as mentioned later.

[0199] Next, about all the definition objects that come out to this processing line route map, the attribute of the word for every definition object is defined. It is the unit which

can acquire significance, as indicated in drawing 55 thru/or drawing 60 as a "word" here, it has semantics, namely, if it is when a definition object is a screen, the thing as a unit set as the object of the input and output on the screen (for example, a column) is said, and when the adapter in process control is a definition object, the thing of the electrical signal outputted and inputted by the adapter is said. Data, such as the definition object ID with which the attribute of a word is data which should be defined in order to make significance acquire, for example, a digit count, an I/O attribute (I/O partition), and self belong, are said.

[0200] Next, the logic which determines the significance of each word is programmed about all the words that belong to each definition object and each definition object which were deduced above. rather than -- rather, a word is inserted in the logical structure and it dies to it. the activity of this fitting -- also taking -- it does not correct but corresponds to the activity of solving a scenario function. this logical structure -- the base -- it is called logic and there are three kinds, W02, W03, and W04 (each is also called "W02 pallet", "W03 pallet", and "W04 pallet".). each base of W02, W03, and W04 -- logic is constituted by the element chosen from three, a phase element, a logical element, and an operation element, in adaptation further, respectively. that is, the base -- logic W02 -- a logical element -- it is -- the base -- logic W03 is a phase element, a logical element, and an operation element, and W04 is a phase element and a logical element, and is constituted, respectively. these -- each -- the base -- the phase element in logic is the 2nd program shown in the beginning, and a logical element and an operation element correspond to the 1st program. And since these programs only make it a mission to only materialize a chain, they will have universal structure with a word. And these programs are what only inserted in the word identifier and was crowded.

[0201] Concrete above-mentioned programming, i.e., fitting to the logical structure of a word identifier, is mentioned later.

[0202]

[Means for Solving the Problem] In order to solve this technical problem, said word and said media carry out the part chain of the software created because this invention according to claim 1 develops the standard program belonging to the media which intervene the computer by which the software to produce operates, and human being which has common structure for every word to two or more fields, and the movement toward a request is realized.

[0203] This invention according to claim 2 realizes the movement toward a request in operating the standard program this developed in the software created by developing the standard program belonging to the media which intervene the computer by which the software to produce operates, and human being which has common structure for every word to two or more fields so that the synchronous structure for said every word may be maintained.

[0204] Said word and said media carry out the part chain of the software created by developing the standard program belonging to the media which intervene the computer by which the software to produce operates, and human being which has common structure for every word to two or more fields, and this invention according to claim 3 realizes the movement toward a request.

[0205] The movement toward a request is realized in operating the standard program this developed in the software created by developing the standard program belonging to the media which intervene the computer by which the software to produce operates in this invention according to claim 4, and human being which has common structure for every word to two or more fields so that the synchronous structure for said every word may be maintained.

[0206] This invention according to claim 5 makes the word which exists in the system which the software to produce realizes permute by the semantic element.

[0207] This invention according to claim 7 with which this invention according to claim 6 is in random order in this word, and compares the unit program for every word in it realizes the movement toward a request by operating the program which is the static structure in conformity with a synchronous concept.

[0208] this invention according to claim 8 to 11 -- the standard program for said every word -- (1) -- carrying out the phase of the semantics nature of this word that exists in the 1st field of said two or more fields to the 2nd field of said two or more fields, and (2) -- it is characterized by having the logical structure which realizes deriving from the semantics nature of words other than this word of said 1st field.

[0209] In this invention according to claim 12 to 14, said word and said media carry out

the part chain of the software created by developing the standard program belonging to the media which intervene the computer by which the software to produce operates, and human being which has common structure for every word to two or more fields, and the movement toward a request is realized.

[0210] In this invention according to claim 15, it is characterized by being because two or more fields which connote the standard program concerning the software to produce which has common structure for every word being arranged in accordance with the path of processing.

[0211] In this invention according to claim 16, it sets to the creation approach of a processing line route map according to claim 15. When said software starts an online program, said two or more fields have the 2nd field (W02) for establishing the 1st field (W04) for taking an interface with recognition of human being who constitutes said online, and the significance of said word. It is characterized by the path of said processing being determined by exchange of the data through the screen between said 1st field and said 2nd field.

[0212] In this invention according to claim 17, it sets to the creation approach of a processing line route map according to claim 15. When said software starts an off-line program, said two or more fields have the 2nd field (W02) for establishing the 1st field (W04) for asking for an element equivalent to what the software concerning said off-line tends to realize, and the significance of said word. It is characterized by the path of said processing being determined by the existence of the data between said 1st field and said 2nd field.

[0213] In this invention according to claim 18, it sets to the creation approach of a processing line route map according to claim 15. When said software starts the program in which online and off-line are intermingled, Said two or more fields have the 2nd field (W02) for establishing the 1st field (W04) for asking for an element equivalent to recognition of human being who constitutes said online, and the significance of said word. The path of said processing is determined by exchange of the data which mind the screen between said 1st field and said 2nd field if the PERT of said online has. If the PERT of said off-line has, it is characterized by the path of said processing being determined by the existence of the data between said 1st field and said 2nd field.

[0214] It is characterized by to be because for the 3rd program for performing the 2nd program for combining the 1st program for forming significance and the significance of said word between said pallets with a word in this invention according to claim 19 for every word which starts this software on three pallets which are fields in the software to produce, and the various operations concerning said software to be chosen suitably and

to be arranged.

[0215] In this invention claim 20 and given in 21, arrangement of a up to [this pallet of said 1st, 2nd, and 3rd programs in the creation approach of a pallet function according to claim 19] is characterized by operating the program controlled in order of these 2nd, 1st, and 3rd programs.

[0216] It is characterized by being in random order and controlling by this invention claim 22 and given in 23 about the word within each said 1st, 2nd, and 3rd programs, in arrangement of a up to [this pallet of said 1st, 2nd, and 3rd programs in the creation approach of a pallet function according to claim 19].

[0217] It is characterized by controlling a parameter by this invention claim 24 and given in 25 using original field where the field concerning the word of these 1st, 2nd, and 3rd programs of the above is another on the boundary of said 1st, 2nd, and 3rd programs in the creation approach of a pallet function according to claim 19, and the existing software.

[0218] In this invention according to claim 26, it is characterized by the area for every word in the creation approach of a pallet function according to claim 19 being a global area.

[0219] For every word which starts the software to produce in this invention according to claim 27 The 2nd program for combining the 1st program for forming significance, and the significance of said word with a word, And the 1st pallet with which the 3rd program for performing the various operations concerning said software chose suitably, and has been arranged (W04), In the creation approach of a pallet chain function of operating the 2nd pallet (W02) and 3rd pallet (W03) in order Said 1st pallet (W04) is for editing the data about the target word. Said 2nd pallet (W02) is for receiving the directions based on recognition of human being about the target word, and said 3rd pallet (W03) is characterized by being for establishing the significance of said word.

[0220] In this invention claim 28 and given in 29, it is characterized by operating the program controlled to fulfill synchronous structure in actuation of the 1st pallet (W04) in the creation approach of a pallet chain function according to claim 27, the 2nd pallet (W02), and the 3rd pallet (W03).

[0221] In this invention claim 30 and given in 31, a parameter is characterized by operating the program controlled using original field where the field concerning the word of this pallet chain function is another on the boundary of the pallet chain function in the creation approach of a pallet chain function according to claim 27, and the existing software.

[0222] In this invention according to claim 32, in order to combine the significance of

said word between said pallets for every word concerning this software in developing the software to produce on three pallets which are fields, it is characterized by carrying out the phase of the data of the 1st pallet concerning the target word to the 2nd pallet concerning this word.

[0223] In developing the software to produce on three pallets which are fields, in this invention according to claim 33, it is characterized by having a function for forming significance for every word concerning this software.

[0224] In this invention according to claim 34, in the creation approach of a logical element according to claim 33, the target word is autonomous and it is characterized by there being no sequentiality of processing between words.

[0225] In developing the software to produce on three pallets which are fields, in this invention according to claim 35, it is characterized by performing the various operations concerning this software which relate to said software for every word.

[0226] In this invention according to claim 36, it is characterized by said operation element being a path operation element which determines the processing path concerning said software in the creation approach of an operation element according to claim 35.

[0227] In this invention according to claim 37, it is characterized by said operation element being a command operation element which performs the directions to OS concerning said software in the creation approach of an operation element according to claim 35.

[0228] In this invention according to claim 38, in the creation approach of an operation element according to claim 35, in order that said operation element may make said software the structure concerning Lyee, it is characterized by being the structure operation element which initializes the area concerning this software.

[0229] In this invention according to claim 39, it is characterized by said operation element being an operating operation element which performs the operating check concerning said software in the creation approach of an operation element according to claim 35.

[0230] In this invention according to claim 40, in the creation approach of an operation element according to claim 35, the target word is autonomous and it is characterized by there being no sequentiality of processing between words.

[0231] In this invention claim 41 and given in 42, the software to produce on three pallets which are fields The 1st program for forming significance in a word for every word concerning this software, The 2nd program for combining the significance of said word between said pallets, And are in charge of generation of the 4th program which

chooses suitably the 3rd program for performing the various operations concerning said software, and arranges it. It is characterized by being the productivity tool which generates automatically the source code which starts said 4th program by defining the identifier of said word.

[0232] In this invention claim 43 and given in 44, the software to produce on three pallets which are fields The 1st program for forming significance in a word for every word concerning this software, The 2nd program for combining the significance of said word between said pallets, And are in charge of maintenance of the 4th program which chooses suitably the 3rd program for performing the various operations concerning said software, and arranges it. It is characterized by being the maintenance exchange tool which specifies in only the software related by specifying the addition or modification of an item concerning said software.

[0233] In this invention claim 45 and given in 46, the software to produce on three pallets which are fields The 1st program for forming significance in a word for every word concerning this software, The 2nd program for combining the significance of said word between said pallets, And it is characterized by being the management exchange tool which manages the number and situation of a program in management of the 4th program which chooses suitably the 3rd program for performing the various operations concerning said software, and arranges it.

[0234] In this invention according to claim 47, the software to produce on three pallets which are fields The 1st program for forming significance in a word for every word concerning this software, The 2nd program for combining the significance of said word between said pallets, And it is characterized by optimizing software which chooses suitably the 3rd program for performing the various operations concerning said software, arranges, and is created (tuning), and mounting in a real on a plane ones.

[0235] In this invention according to claim 48, said optimization is characterized by being a thing about adjustment-izing with the memory concerning said system in the mounting approach of software according to claim 47.

[0236] In this invention according to claim 49, said optimization is characterized by being a thing about adjustment-izing of the processing time in said system in the mounting approach of software according to claim 47.

[0237] In this invention according to claim 50, the software to produce on three pallets which are fields The 1st program for forming significance in a word for every word concerning this software, The 2nd program for combining the significance of said word between said pallets, And are in charge of generation of the software which chooses suitably the 3rd program for performing the various operations concerning said

software, arranges, and is created. It is characterized by opting for the decision of the structure of a definition object where said word belongs, the processing path concerning said software, and the word table of all words, and self-generation of each aforementioned word.

[0238] In this invention according to claim 51, decision of the structure of a definition object where said word belongs, the processing path concerning said software, and the word table of all words, and decision of self-generation of each aforementioned word are characterized by making it possible to carry out by the concurrency activity according to this word being mutually-independent in the software-development approach according to claim 50.

[0239] In this invention according to claim 52, decision of the structure of a definition object where said word belongs, the processing path concerning said software, and the word table of all words, and decision of self-generation of each aforementioned word are characterized by making it possible to reduce development processes by applying to given structure and not requiring **** in the software-development approach according to claim 50.

[0240] In this invention according to claim 53, it is characterized by determining the identifier of the definition object with which the word concerning this software belongs, and the identifier of this word in software maintenance, and determining the target software uniquely by putting these identifiers into the scenario function which is the universal structure which specifies software, and being crowded.

[0241] The element which determines the identifier of the definition object with which the word concerning this software belongs the existing software in this invention according to claim 54, and the path of processing is extracted, and while determining the processing line route map showing this processing path, it is characterized by determining desired software uniquely by putting these into the scenario function which is the universal structure which specifies software, and being crowded.

[0242] In this invention according to claim 55, it is characterized by said existing software being the source code generated by the program generating method of a conventional type in the transplantation approach of software according to claim 54.

[0243] In this invention according to claim 56, it is characterized by mapping in the processing line route map arranged and obtained in accordance with the path of processing of two or more fields which connote the standard program which relates to software the element which determines the path of the processing extracted from the existing software in the transplantation approach of software according to claim 54, and which has common structure for every word.

[0244] In this invention according to claim 57, it is characterized by permuting by the DS suitable for the standard program which relates the DS concerning said existing software to software and which has common structure for every word by determining the definition object with which the word extracted from the existing software in the transplantation approach of software according to claim 54 belongs.

[0245] In this invention according to claim 58, it is characterized by permuting by the data value on the DS suitable for the standard program which relates the data value concerning said existing software to software and which has common structure for every word by determining the definition object with which the word extracted from the existing software in the transplantation approach of software according to claim 54 belongs.

[0246] In this invention according to claim 59, it is characterized by being premised on changing the program of the many hierarchies concerning the existing software in the transplantation approach of software according to claim 54 into a single hierarchy.

[0247] In this invention according to claim 60, it is characterized by realizing said transplantation in the transplantation approach of software according to claim 54, operating said existing software and the software after implementation of transplantation-like in parallel in this transplantation.

[0248] In this invention according to claim 61, it is characterized by the computers by which said software operates before and after said transplantation differing in the transplantation approach of software according to claim 60.

[0249] In this invention according to claim 62, the software to produce on three pallets which are fields The 1st program for forming significance in a word for every word concerning this software, The 2nd program for combining the significance of said word between said pallets, And it is characterized by managing a software development process using the algorithm of choosing suitably the 3rd program for performing the various operations concerning said software, arranging it, and creating it.

[0250] It is characterized by realizing the most important development approach by tying up with this invention according to claim 63 application of the scenario function which is the universal structure which specifies said algorithm and software in a software-development management method according to claim 62.

[0251] In this invention according to claim 64, it is characterized by making it possible to generalize structurally by application of the scenario function which is the universal structure which specifies said algorithm and software in a software-development management method according to claim 62.

[0252] In this invention according to claim 65, the software to produce on three pallets

which are fields The 1st program for forming significance in a word for every word concerning this software, The 2nd program for combining the significance of said word between said pallets, And it is characterized by making it possible to obtain desired software uniquely also to specification modification concerning said software by using the algorithm of choosing suitably the 3rd program for performing the various operations concerning said software, arranging it, and creating it.

[0253] In this invention according to claim 66, it is characterized by making it possible to generalize structurally by application of the scenario function which is the universal structure which specifies said algorithm and software in the operational administration approach of software according to claim 65.

[0254] In this invention according to claim 67, the software to produce on three pallets which are fields The 1st program for forming significance in a word for every word concerning this software, It is characterized by realizing said each pallet for the algorithm of choosing suitably the 3rd program for performing the 2nd program for combining the significance of said word between said pallets, and the various operations concerning said software, arranging it, and creating it, as LSI.

[0255] In this invention according to claim 68, it sets to a parallel computer according to claim 67. The 1st pallet these pallet function which chooses said the 1st thru/or 3rd program suitably, and arranges it on said pallet and the 1st thru/or 3rd program is said pallets arranged suitably (W04), [whose] It is characterized by realizing as LSI the pallet chain function which operates the 2nd pallet (W02) and 3rd pallet (W03) in order.

[0256] In this invention according to claim 69, it is characterized by providing in the solution of a technical problem which used software as information for solution of a number of the chain of a word concerning this software of requirements of said technical problem.

[0257] In this invention according to claim 70 or 71, said standard program is characterized by connoting sequentiality to the program for every word in this invention according to claim 1 or 2.

[0258] The creation approach of a pallet function of putting processing ranking in order for every word identifier and the unit program for every operation child as unquestioned is explained here.

[0259] The unit programs for every word identifier are a phase element, a logical element, and an operation element here. Moreover, the unit program for every operation child is an operating operation element which manages the CHECK processing which are the command operation element which manages OPEN, READ, WRITE, and CLOSE to a path judging operation element and a file, the structure operation element

which manages initialization of a field, and the given requirements for a user.

[0260] 454 is a functional block diagram for the pallet function made to belong to drawingW02 pallet to explain the creation approach of a pallet function of putting processing ranking in order for the unit program (a phase element and logical element) for every word identifier, and the unit program (operation element) for every operation child as unquestioned.

[0261] If it is when it judges whether the terminating condition is first filled with the pallet function made to belong to W02 pallet ("all the FLG(s) and Termination FLG 1") and the terminating condition is fulfilled, as shown in this drawing, processing is ended (W02-END) and a return is carried out to a pallet chain function. [Settled / which specifically starts processing condition ** thru/or **]

[0262] Next, it judges whether if it is when the terminating condition is not fulfilled, processing condition ** is filled (isn't initial processing settled FLG "1" at a concrete target or not?). finishing [the unit program of initial processing is started and / initial processing] on the occasion of the return from the unit program of initial processing if it is when processing condition ** is being filled, after setting FLG to "1") is judged. termination ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0263] Next, if it is when processing condition ** is not being filled It judges whether processing condition ** is filled (finishing [initial processing] specifically -- FLG -- "1" -- and finishing [OPEN] -- isn't FLG "1" or not?). After setting FLG to "1", it judges that it is an OPEN error. finishing [a file OPEN-related unit program group is started and / OPEN] on the occasion of the return from a file OPEN-related unit program group if it is when processing condition ** is being filled -- If it is when it is not an OPEN error and is at the head of a pallet function in return and an OPEN error, after setting the abnormalities FLG (OPNG-FLG) in OPEN to "1", it returns to the head of a pallet function.

[0264] Next, if it is when processing condition ** is not being filled It judges whether processing condition ** is filled (finishing [initial processing] specifically -- finishing [FLG and OPEN] -- FLG -- "1" -- and finishing [CLEAR of WFL area] -- isn't FLG "1" or not?). If it is when processing condition ** is being filled, start a WFL area CLEAR-related unit program group, and it faces from a WFL area CLEAR-related unit program group to a return.) is judged. finishing [CLEAR] -- the termination after

setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0265] Next, if it is when processing condition ** is not being filled It judges whether processing condition ** is filled (finishing [initial processing] specifically -- finishing [FLG and OPEN] -- finishing [FLG and CLEAR] -- FLG -- "1" -- and finishing [READ] -- isn't FLG "1" or not?). If it is when processing condition ** is being filled, start a READ-related unit program group and it faces from a READ-related unit program group to a return.) is judged. finishing [READ] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0266] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] -- finishing [FLG and READ] -- FLG -- "1" -- and the base -- finishing [logic processing] (finishing [LP]) -- FLG -- "1" -- it is not -- A logic-related unit program group is started. if it is when processing condition ** is being filled -- the base -- It faces from a logic-related unit program group to a return. the base --) is judged. if it is when recovery is required -- the base -- finishing [LP] when recovery is unnecessary although a logic-related unit program group is rebooted -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0267] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] -- finishing [FLG and READ] -- finishing [FLG and LP] -- FLG -- "1" -- and finishing [CLOSE] -- FLG -- "1" -- it is not -- After setting FLG to "1", the abnormalities FLG in OPEN judge that it is "1". finishing [a CLOSE-related unit program group is started and / CLOSE] on the occasion of the return from a CLOSE-related unit program group if it is when

processing condition ** is being filled -- If it is when return and the abnormalities FLG in OPEN are "1" at the head of a pallet function, if it is when the abnormalities FLG in OPEN are not "1", after setting termination FLG to "1", it returns to the head of a pallet function.

[0268] Next, if it is when processing condition ** is not being filled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0269] 455 is a functional block diagram for the pallet function made to belong to drawingW03 pallet to explain the creation approach of a pallet function of putting processing ranking in order for the unit program (a phase element and logical element) for every word identifier, and the unit program (operation element) for every operation child as unquestioned.

[0270] If it is when it judges whether the terminating condition is first filled with the pallet function made to belong to W03 pallet ("all the FLG(s) and Termination FLG 1") and the terminating condition is fulfilled, as shown in this drawing, processing is ended (W03-END) and a return is carried out to a pallet chain function. [Settled / which specifically starts processing condition ** thru/or **]

[0271] Next, if it is when the terminating condition is not fulfilled It judges whether processing condition ** is filled (isn't initial processing settled FLG "1" at a concrete target or not?). If it is when processing condition ** is being filled, start the unit program of initial processing and it faces from the unit program of initial processing to a return.) is judged. finishing [initial processing] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0272] Next, if it is when processing condition ** is not being filled It judges whether processing condition ** is filled (finishing [initial processing] specifically -- FLG -- "1" -- and finishing [OPEN] -- isn't FLG "1" or not?). After setting FLG to "1", it judges that it is an OPEN error. finishing [a file OPEN-related unit program group is started and / OPEN] on the occasion of the return from a file OPEN-related unit program group if it is when processing condition ** is being filled -- If it is when it is not an OPEN error and is at the head of a pallet function in return and an OPEN error, after setting the abnormalities FLG (OPNG-FLG) in OPEN to "1", it returns to the head of a pallet function.

[0273] Next, if it is when processing condition ** is not being filled It judges whether

processing condition ** is filled (finishing [initial processing] specifically -- finishing [FLG and OPEN] -- FLG -- "1" -- and finishing [CLEAR of WFL area] -- isn't FLG "1" or not?). If it is when processing condition ** is being filled, start a WFL area CLEAR-related unit program group, and it faces from a WFL area CLEAR-related unit program group to a return. finishing [CLEAR] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- if it is when) is judged and the conditions of termination are fulfilled -- the head of a pallet function -- return -- If it is when the conditions of termination are not fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0274] Next, if it is when processing condition ** is not being filled It judges whether processing condition ** is filled (finishing [initial processing] specifically -- finishing [FLG and OPEN] -- finishing [FLG and CLEAR] -- FLG -- "1" -- and finishing [READ] -- isn't FLG "1" or not?). If it is when processing condition ** is being filled, start a READ-related unit program group and it faces from a READ-related unit program group to a return.) is judged. finishing [READ] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0275] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] -- finishing [FLG and READ] -- FLG -- "1" -- and the base -- finishing [logic processing] (finishing [YLP]) -- FLG -- "1" -- it is not -- A logic-related unit program group is started. if it is when processing condition ** is being filled -- the base -- It faces from a logic-related unit program group to a return. the base --) is judged. if it is when recovery is required -- the base -- finishing [YLP] when recovery is unnecessary although a logic-related unit program group is rebooted -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- ****** of FLG, and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0276] Next, if it is when processing condition ** is not being filled A ****** [filling

processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] ·· finishing [FLG and READ] ·· finishing [FLG and YLP] ·· FLG ·· "1" ·· and finishing [CHECK showing whether the CHECK processing which are the given requirements for a user ended] ·· FLG ·· "1" ·· it is not ·· If it is when processing condition ** is being filled, start a CHECK-related unit program group and it faces from a CHECK-related unit program group to a return.) is judged. finishing [CHECK] ·· the termination after setting FLG to "1" ****** ·· (·· settled [which specifically starts processing condition ** thru/or **] ·· all the FLG(s) and Termination FLG ·· "1" ·· If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0277] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] ·· finishing [FLG and READ] ·· finishing [FLG and YLP] ·· finishing [FLG and CHECK] ·· finishing [FLG / WRITE] in "1" ·· FLG ·· "1" ·· it is not ·· If it is when processing condition ** is being filled, start a WRITE-related unit program group and it faces from a WRITE-related unit program group to a return.) is judged. finishing [WRITE] ·· the termination after setting FLG to "1" ****** ·· (·· settled [which specifically starts processing condition ** thru/or **] ·· all the FLG(s) and Termination FLG ·· "1" ·· If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0278] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] ·· finishing [FLG and READ] ·· finishing [FLG and YLP] ·· finishing [FLG and CHECK] ·· finishing [FLG and WRITE] ·· finishing [FLG / the path judging by "1"] ·· FLG ·· "1" ·· it is not ·· If it is when processing condition ** is being filled, start a processing path judging-related unit program group, and it faces from a processing path judging-related unit program group to a return.) is judged. finishing [a processing path judging] ·· the termination after setting FLG to "1" ****** ·· (·· settled [which specifically starts processing condition ** thru/or **] ·· all the FLG(s) and Termination FLG ·· "1" ·· If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting

termination FLG to "1", it returns to the head of a pallet function.

[0279] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) CLEAR-finishing-FLG, READ-finishing-FLG, YLP-finishing-FLG, and it CHECK-finishing-FLG(s). It judges. finishing [a WRITE finishing FLG path judging] -- FLG -- "1" -- and finishing [CLOSE] -- FLG -- "1" -- it is not -- After setting FLG to "1", the abnormalities FLG in OPEN judge that it is "1". finishing [a CLOSE-related unit program group is started and / CLOSE] on the occasion of the return from a CLOSE-related unit program group if it is when processing condition ** is being filled -- If it is when return and the abnormalities FLG in OPEN are "1" at the head of a pallet function, if it is when the abnormalities FLG in OPEN are not "1", after setting termination FLG to "1", it returns to the head of a pallet function.

[0280] Next, if it is when processing condition ** is not being filled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0281] 456 is a functional block diagram for the pallet function made to belong to drawingW04 pallet to explain the creation approach of a pallet function of putting processing ranking in order for the unit program (a phase element and logical element) for every word identifier, and the unit program (operation element) for every operation child as unquestioned.

[0282] If it is when it judges whether the terminating condition is first filled with the pallet function made to belong to W04 pallet ("all the FLG(s) and Termination FLG 1") and the terminating condition is fulfilled, as shown in this drawing, processing is ended (W04-END) and a return is carried out to a pallet chain function. [Settled / which specifically starts processing condition ** thru/or **]

[0283] Next, if it is when the terminating condition is not fulfilled It judges whether processing condition ** is filled (isn't initial processing settled FLG "1" at a concrete target or not?). If it is when processing condition ** is being filled, start the unit program of initial processing and it faces from the unit program of initial processing to a return.) is judged. finishing [initial processing] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0284] Next, if it is when processing condition ** is not being filled It judges whether

processing condition ** is filled (finishing [initial processing] specifically -- FLG -- "1" -- and finishing [OPEN] -- isn't FLG "1" or not?). After setting FLG to "1", it judges that it is an OPEN error. finishing [a file OPEN-related unit program group is started and / OPEN] on the occasion of the return from a file OPEN-related unit program group if it is when processing condition ** is being filled -- If it is when it is not an OPEN error and is at the head of a pallet function in return and an OPEN error, after setting the abnormalities FLG (OPNG-FLG) in OPEN to "1", it returns to the head of a pallet function.

[0285] Next, if it is when processing condition ** is not being filled It judges whether processing condition ** is filled (finishing [initial processing] specifically -- finishing [FLG and OPEN] -- FLG -- "1" -- and finishing [CLEAR of WFL area] -- isn't FLG "1" or not?). If it is when processing condition ** is being filled, start. a WFL area CLEAR-related unit program group, and it faces from a WFL area CLEAR-related unit program group to a return.) is judged. finishing [CLEAR] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0286] Next, if it is when processing condition ** is not being filled It judges whether processing condition ** is filled (finishing [initial processing] specifically -- finishing [FLG and OPEN] -- finishing [FLG and CLEAR] -- FLG -- "1" -- and finishing [READ] -- isn't FLG "1" or not?). If it is when processing condition ** is being filled, start a READ-related unit program group and it faces from a READ-related unit program group to a return.) is judged. finishing [READ] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0287] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] -- finishing [FLG and READ] -- FLG -- "1" -- and the base -- finishing [logic processing] (finishing [YLP]) -- FLG -- "1" -- it is not -- It faces from a logic-related unit program group to a return. if it is when processing condition ** is being filled -- the base -- a logic-related

unit program group -- starting -- the base --) is judged. if it is when recovery is required -- the base -- finishing [YLP] when recovery is unnecessary although a logic-related unit program group is rebooted -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0288] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] -- finishing [FLG and READ] -- finishing [FLG and YLP] -- FLG -- "1" -- and finishing [WRITE] -- FLG -- "1" -- it is not -- If it is when processing condition ** is being filled, start a WRITE-related unit program group and it faces from a WRITE-related unit program group to a return.) is judged. finishing [WRITE] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0289] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] -- finishing [FLG and READ] -- finishing [FLG and YLP] -- finishing [FLG and WRITE] -- FLG -- "1" -- and finishing [MSG] -- FLG -- "1" -- it is not -- If it is when processing condition ** is being filled, start a MSG-related unit program group and it faces from a MSG-related unit program group to a return.) is judged. finishing [MSG] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0290] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) It judges. finishing [CLEAR] -- finishing [FLG and READ] -- finishing [FLG and YLP] -- finishing [FLG and WRITE] -- finishing

[FLG and MSG] -- finishing [FLG / the path judging by "1"] -- FLG -- "1" -- it is not -- If it is when processing condition ** is being filled, start a processing path judging-related unit program group, and it faces from a processing path judging-related unit program group to a return.) is judged. finishing [a processing path judging] -- the termination after setting FLG to "1" ****** -- (-- settled [which specifically starts processing condition ** thru/or **] -- all the FLG(s) and Termination FLG -- "1" -- If it is when return and the conditions of termination are not fulfilled at the head of the pallet function, if it is when the conditions of termination are fulfilled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0291] Next, if it is when processing condition ** is not being filled A ****** [filling processing condition **] (initial-processing-finishing-FLG and it OPEN-finishing-FLG(s) specifically) CLEAR-finishing-FLG, READ-finishing-FLG, YLP-finishing-FLG, and it WRITE-finishing-FLG(s). It judges. finishing [MSG finishing FLG and a path judging] -- FLG -- "1" -- and finishing [CLOSE] -- FLG -- "1" -- it is not -- After setting FLG to "1", the abnormalities FLG in OPEN judge that it is "1". finishing [a CLOSE-related unit program group is started and / CLOSE] on the occasion of the return from a CLOSE-related unit program group if it is when processing condition ** is being filled -- If it is when return and the abnormalities FLG in OPEN are "1" at the head of a pallet function, if it is when the abnormalities FLG in OPEN are not "1", after setting termination FLG to "1", it returns to the head of a pallet function.

[0292] Next, if it is when processing condition ** is not being filled, after setting termination FLG to "1", it returns to the head of a pallet function.

[0293] According to this invention, people have recognized the procedure of the processing led to the phenomenon of the form and color of things (business, function, etc.), and the motion which are made into the object of software-izing, or control such (the significance was given). Since the mechanical algorithm which makes an opportunity (KIKKAKE) a part of phenomenon (word which belongs to a screen, a curtain table, and there) instead of what was simulated, and draws all the phenomena is regarded as structure of an operation and concreteness of fundamental existence The essence of semantics can be used for software production as it is, and group human nature is eliminated.

[0294] Moreover, since according to this invention it has software-ized after going back even to the origin which causes the existence and solving the derivation procedure of a phenomenon and a phenomenon of appearing in the business made into the object of software-izing, a function, etc., room to produce mismatching is lost.

[0295] Since word related structure will furthermore emerge according to this invention if the functional semantics which approached recognition of a user most is written considering a word as the base, namely, a user's vocabulary is set and changed to the program of five for every vocabulary, all the contents of self-generation of a logical element are collected and the relation between an endpoint and the starting point is connected, the software for which it asks even if it does not write specification is done as a result.

[0296] Moreover, according to this invention, the formation "specifies significance conditions" for every word is possible for the program for every word, and since development of an information system completes it by "it inserts in" in the synchronous structure which already exists, the logic which the conventional SE was creating, for example especially business input check logic, and business process logic become unnecessary.

[0297] the logic which furthermore satisfies the requirements for a user according to this invention -- the base -- since it will be autonomously created if group structure of logic is returned by the computer (activation), in a conventional method, a design of the part currently called the upstream becomes almost unnecessary.

[0298] Moreover, according to this invention, since proposition **** becomes possible, a man day and a process, and a development cycle are shortened by surprising extent. Since a development process will become according to this invention because the significance conditions of a word are specified if the word of a screen and a document is decided if it puts in another way, an old arrangement activity, a circumstantiation activity, specification creation, internal-processing logic, etc. become unnecessary.

[0299] The document which software development assembles an operating flow and is furthermore used on each business according to this invention, take out a word and pass the process of ** which makes the screen and document used on each business -- "the significant conditions of a word" (1. attribute (a digit count --)) Since a program will be done if only a numeric value and alphabetic character assignment, 2. input output assignment, 3. data value derivation operation expression, the message at the time of 4. failure, and the method of 5. display are specified the stratified development organization is already unnecessary -- becoming -- "assembly of business" -- "-- synchronous structure and the base -- logic frame" will be made to coincidence and SE is released from a program.

[0300] Moreover, according to this invention, in order to build a system per user, also when building the system of an individual exception or integration, time and effort is not taken, but enables overwhelming time amount compaction, and brings about great

effectiveness also from a management side.

[0301] the pallet which was furthermore made according to this invention, and the base -- logic etc. -- what kind of software -- even when -- since the structure is the same, when building another system, the existing system can be used as it is. for example, the base of the word belonging to Existing DB -- logic is reused 100%. Furthermore, since it is the same, when unifying the system made according to the individual, it is not necessary to carry out arrangement of the word belonging to DB that what is necessary is just to merge simply.

[0302] Moreover, according to this invention, since it is an addition, modification, and deletion of a screen and a document, and a word, the system change of a system change doubled with operating improvement speed becomes possible (since it is a program for every word and there is no effect on others). further -- this case -- a visual change -- the base for every addition / deletion word of a word -- it ends with modification of logic, and a system change is set and replaced with the activity of the addition of the word which belongs to DB with the addition of a screen and a word.

[0303] The semantics which language has is produced only after those as whom the data on a screen or a document itself are not all, and it looks at and interprets it intervene. And by people, the method of the interpretation is of infinite variety, is caught, and does not have ******. Therefore, even if it intervenes in the method of an interpretation of people, it will not start.

[0304] Then, the interpretative method is left to people and only the universal structure which produces semantics is pursued. Consequently, the function which determines software for found-out "the universal structure which produces semantics" with "synchronous structure", and a call and its synchronous structure is called a scenario function.

[0305] That is, without digesting, by catching only the structure of semantics, semantics can apply synchronous structure now and can abolish now many activities which needed the brain activity.

[0306] Incidentally, the program (1 exponentiation of T) of LYEE is named a scenario function generically, and the program (Pi) of a conventional method serves as n exponentiation of T at the time of 1 exponentiation of T, and activation at the time of development, although it is the set sigmaPi also at the time of the time of development, and activation. However, n is a multiplier which an execution-time computer creates autonomously. n exponentiation of T = sigmaPi is called a reduction type.

[0307] Although a scenario function is the structure of one **, the operation which is the structure of the one ** and exceeds the conventional technique far on the aspect of

affairs of development maintenance of **, such as the so-called base (OS, compiler), middle, a package, process control, a game, and simulation, will be achieved.
[0308]

[A concrete operation which The means for solving a technical problem has] (Introduction) It considers what should be carried out in this invention upstream. Only what should be carried out in order to form the scenario function serves as an activity of the upstream because a scenario function can determine all software with a mechanical algorithm to the 1 step level universally.

[0309] The last result object of software development is the source code described with programming language. However, a design is called and requirements are detailed by personal capacity until it will be in the condition that a program can be created, since a scenario function is not materialized in a conventional method. And since the program is also structured by personal capacity, it cannot but become a black box (****), and evaluation of a result object must be made into means only by the check of a functional event. That is, in the conventional method, since the relation between requirements and a source code is ****, all activities including upstream software development cannot but turn into an inefficient activity.

[0310] In this invention (LYEE), if it carries out reversible [of the scenario function], even if who does the activity which should be done as the upstream, it will be restricted to the following contents. Namely, the table referred to and updated inside [, such as a screen, a curtain table, etc. which are ** user interface,] the decision ** system of the identifier of a definition object (DB), On the decision ** above-mentioned definition objects of the identifier of a definition object, such as a file It is a data display approach ** processing path partition to the location shown by the demand and the response message ** word identifier to the data value formula ** actuation set to the location shown by the decision ** word identifier of I/O distinction of the decision ** word of the attribute of the word which should be set, and the decision ** word of the identifier.

[0311] The decision person in charge of a word who should set on [, such as a screen, a curtain table, etc. which are a user interface,] a definition object and its definition object is a user. On the other hand, the decision of the table referred to and updated inside a system is the responsibility by the side of development. Particular difficulty cannot be found in the decision (DB design) of the word which should be set on a definition object and its definition objects, such as this DB, file, etc. DB design is because not a difficult activity but the activity easy originally is essentially complicated from the error of recognition to the principle of software. Although there are also many people who claim that the decision is difficult also about a screen or a curtain table, it is

the phenomenon which also communalizes it and is produced from a way and the recognition which it is going to unify, and if it is not going to unification[communalization and]-ize, originally it is not difficult.

[0312] The traditional method of functional thinking of human beings, we, is complicated with the circumstantiation of a requirements event, and usually goes. It is necessary to turn one's eyes also to missing essence more often on the contrary by the complexity in coincidence, although this was a defect fatally produced from the method of the existence of the life object of us human beings, and although it came considering that as an advance of civilization. It is clear to have resulted, when the civilization of human beings, we, which therefore stands not only on software but on the functional thinking method must already notice the evil.

[0313] Regardless of requirements, the method of thinking of [this invention (LYEE) about software] can be caught with the program level of one step. It means that complexity like the former does not arise in the software created by LYEE.

[0314] The concept of an individual system and an integration system is also lost and all software is uniformly materialized in the state of equivalence. That is, regardless of a difference of the function which software realizes, the structure of software is unique. Since it is also accordant to a software's existence principle that such a thing is materialized, the method of thinking of [LYEE] does not become outside. It supplements with above-mentioned explanation about a software's existence principle here.

[0315] It is as the semantics which language has having mentioned above that the data on a screen or a document itself were what is produced only after those who are not all, and look at and interpret it intervene. And the method of the interpretation also said that it is of infinite variety, and catches by people, and there is no ******. Intervening in the part of the method of an interpretation of people, after this invention stands on such recognition avoided, and we left the method of the interpretation to instead of to people, and decided to pursue only the universal structure which produces semantics. Consequently, the function which determines software for found-out "the universal structure which produces semantics" with "synchronous structure", and a call and its synchronous structure is called a scenario function.

[0316] If it puts in another way, without interpreting, by catching only the structure of semantics, semantics will enable it to apply synchronous structure and will abolish many activities which needed ****.

[0317] Although a scenario function is the structure of one **, it is the structure of the one ** and the effectiveness and the use which exceeds the conventional technique far

also in development and maintenance of all the software of **, such as the so-called base (OS, compiler), middle, a package, process control, a game, and simulation, are created.

[0318] Moreover, in this invention, constraint of sequentiality does not exist between the logic for every word. making such a thing possible, although this is that logic is eliminated and one -- the base -- it is because the dependency between words does not exist since logic becomes respectively independent. If arrangement of the word which is looked at by the conventional DB design activity etc. according to this invention, or a function is seen from the providence of software, it will come, whenever it distortion-izes software, and it will become clear that it is what is exactly an activity.

[0319] The thing of the partition which is needed in order to create the processing line route map whose processing path partition is the only document in LYEE which substitutes for 70% of the conventional design documentation is said. A processing path partition is indicated by the processing line route map, for example, is a word which embellishes actuation KII of a screen, and actuation KII. The way of finding out is naturally decided from a user's screen and a curtain table.

[0320] A processing line route map can catch the structure of all software visually by two expression syntax, expresses a scenario function visually, and becomes only-like to requirements. And one step of software can be caught regardless of an intention of the implementer. If software is developed by LYEE, it can be said that it is the effectiveness of this processing line route map that that amount of documents decreases sharply.

[0321] LYEE is the approach of determining requirements and a program as coincidence. By finding out the software structure conversely from the mechanism of making a program with the universal structure for every word which belongs requirements to a definition object and its definition object substitute, if it puts in another way being materialized universally If the program for every word belonging to the definition object which forms this software structure, and its definition object is determined, it will be an approach of meaning determining requirements and the program to search for as coincidence at coincidence.

[0322] If the structure of the software is followed, the dependencies of a word and a word will be only the contents of the word proper for every word which is unnecessary as requirements and exists, and will be concluded as the following two operations. namely, ** -- the value of the item of the file which becomes settled inevitably -- the base -- the program (1 exponentiation of T) of LYEE is named a scenario function generically by ******** which determines a value by the given arithmetic expression which the operation ** user who transports to the necessary location to which logic points uses, and the program (Pi) of a conventional method becomes it with the n exponentiation of T

at the time of 1 exponentiation of T, and activation at the time of development, although it is the set sigmaPi also at the time of the time of development, and activation. However, n is a multiplier which an execution·time computer creates autonomously. n exponentiation of T = sigmaPi is called a reduction type. That is, the solution (1 exponentiation of the scenario function T) done by this invention becomes that to which n exponentiation of T which is the locus done by carrying out recovery activation of the 1 exponentiation of T n times without the form as it is reflecting logic and requirements returned logic and requirements.

[0323] Fig. 312 and 313 is drawing for explaining about this point. As shown in this drawing, it is equivalent to the locus indicated to be the conventional business by the free line of both drawings. As shown in drawing 313, especially when there is room for human being's **** to enter, limits are lost for complication.

[0324] In LYEE, the contents of the complicated requirements to these [such] will be compacted wonderfully, but drawing 1 thru/or drawing 3 show the rating comparison with DOA for the outline of the simplification degree of the activity corresponding to the requirement for compaction.

[0325] (Base logic etc.) the base ·· every which the program for every unit which consists of a word identifier (i) which belongs to a definition object identifier (k) and its definition object as logic shows to drawing 4 ·· it is the logic of the structure which it has on W02, W03, and W04 pallet.

[0326] The phase element (Yk·i, n) and logical element (Lk·i, n) which are determined from a definition object identifier (k) and the word identifier (i) belonging to the definition object are shown in drawing 5 with two programming language. As mentioned above, the part of the self·generation is very easy so that clearly from this drawing. the base ·· since logic is easy, if software is caught by LYEE, in order that programming language may conquer a software technical problem, it will not become a clincher at all.

[0327] (State of a program) Since an upper specification is also materialized as semantics in a conventional method, it says from a principle and is impossible to form exclusion and objectivity of group human nature in an upper specification. Nevertheless, since it was going to form objectivity in the upper specification in the conventional method, it is natural ** that the efficiency of the activity worsens.

[0328] In that case, operating knowledge is used as a norm on which the persons concerned agree. It is that cause in connection with [this] the contents of the upper specification in operating knowledge incorrect·recognized like.

[0329] In this invention, the ambiguity of this point is cut off and the software

development method for setting requirements with an indeterminate and determining a program with an indeterminate is established. It should be so that those who essentially [software] stand face to face against a program and it may be together formed in an upper specification in a running state. this invention -- truly -- it should ask -- it is the approach of producing such a program. The program is said from the theoretical conclusion of the internal structure of the existence mentioned later, and must be determined with the structure of expressing a static condition. The program made by this point conventional method has structure which caught the dynamic condition from the paper phase.

[0330] Here, although explained in full detail behind, the scenario function shown in drawing 6 is mentioned. A scenario function is a function which actualizes the truth of the software lurking in the interior of existence, and the left part is the factor of an upper specification. Although an upper specification is regarded as the proposition of a program in a conventional method, the right-hand side (the right-hand side serves as a function which is the program of the structure shown by drawing 4, and asks for left part by making the proposition of the upper specification of a definition object identifier (k) and the word identifier (j) belonging to the definition object into a variable) serves as a proposition of an upper specification with a scenario function.

[0331] The program structure is a universal thing which is transparent to one step as shown in drawing 5. In the point, the program by this invention (LYEE) does not serve as ****, namely, is not unfixed, and group human nature is eliminated. About this point, with a conventional method, an upper specification must be made into a proposition and the program from which that proposition serves as an indeterminate, therefore its solution also serves as **** inevitably.

[0332] An upper specification becomes unfixed because the origin is in the depths psychology of those who decide it. If it is going to make it not unfixed and it will not be explained from existence although this is called thinking in which the life [us] object has as a description, it cannot ask for the answer. It can say that this invention (LYEE) serves as a system theory of the consideration about this problem, or it can be said that that consideration is advanced further and the methodology of actual software production is established. Anyway, it is certain that this invention is actually doing so on industry the effectiveness which even imagination was not able to do in the former from the essence nature of the approach.

[0333] Although the activity of the conventional method which searches for a program by making an upper specification into a proposition is not easy, since the program of LYEE which is the universal structure exists as a scenario function, requirements will

be searched for if it can be solved conversely (it is made to make it reversible). The point is as having mentioned above. The reversible-ized condition becomes equivalent to requirements.

[0334] The conditions which make a scenario function make it reversible are caught with the word which carries out intention manifestation as requirements which the client shows. And the word is transposed to five programs (base logic). the existing word ·· receiving ·· this base ·· if logic is determined ·· that base ·· the structure of the scenario function which uses logic as an element serves as a program with which the logic which embodies a requirement and its requirement is filled.

[0335] If the description specified in the Ruhr of LYEE is brought together in the location (specifically self-generation part) where it was decided on the program divided into five pieces, it will replace the upper specification as used in a conventional method. And this description will be extremely simplified, if compared with description of the conventional upper specification. If it comes to a conclusion, it will be said that the upstream state is decided by the state of a program.

[0336] (Simplification of an event) If software development is performed by LYEE, it is not complicated, but the solution of the technical problem which encountered will surely be simplified and will be found out.

[0337] If development is performed by LYEE, development organization will also be simplified, a meeting will also decrease and the burden by the side of order and development will be mitigated remarkably. A structurally beautiful only program is not only acquired, but all the activities in connection with LYEE form structure without room for a difference to arise in recognition among development teams.

[0338] Although a conventional method will be fruition of experience to this if an example is taken by the theory which therefore stands as for this invention, its structure, and effectiveness, it can be said that it was only the pile of an error.

[0339] Since the program of a conventional method can be made to be able to turn LYEE, without changing an execution environment and development environment (it transplants to the program and DS of structure in accordance with the methodology of this invention), also making it apply as a means made to normalize to the problem which the conventional programs, such as a maintenance technical problem and a specification defect, have especially has great effectiveness. If the company which has a year 2000 problem is incidentally coping with it by this approach, it is clear for large cost reduction and time amount saving to be attained.

[0340] (Programming language) In the program made with the program and conventional method of LYEE, the method of existence serves as a different thing

completely. If it sees on the basis of a word, two or more object words exist in Boolean part of the program of a conventional method. And however it may unit-ize the program, it cannot be unit-ized even in one word.

[0341] the program which was unit-ized in LYEE -- the base -- although it is the thing of logic, the object word is the one by which one word was divided into five more pieces, as mentioned already in drawing 4. As the instruction of the program was described to drawing 5, a special thing is not necessarily needed. It is the limited instruction currently prepared for any programming language.

[0342] This means that any programming language is good, if software is caught correctly. It can be said that an improvement and proposal of various programming language have been tried to this because the error was only in how to catch software.

[0343] (Processing line route map) it is indicated in drawing 7 as a processing line route map -- as -- the base from the element of a scenario function -- the information which deleted the element of logic as follows is diagramed.

[0344] - -> connection-ized drawing 8 is a processing line route map when actually developing a system with functions, such as commission place information registration, using this invention. phiP{Li, 2} k -> W02k- phiP {Yi3, Li3} -> W03- phiP{Yi4, Li4} k -> W04k- phi And screen number:19, the number of logical files which are realized for example, by the host system only by the information on this processing line route map: If the on-line-processing program of 61 says in former, that scale is inherent in all the requirements for the thing of about 15000 lines in the PROCEDURE part of COBOL.

[0345] LYEE determines a processing line route map from a screen definition document and a define the file document. The basic structure is a processing line route map with which drawing 8 catches online and drawing 9 catches behavior of off-line. GUI, a simulation system, etc. can be caught combining these.

[0346] W04, W02, and W03 in drawing are called a pallet.

[0347] One person does not take half a day drawing this processing line route map, if tame [becoming]. Since it is not necessarily drawn by the individual rule of thumb, it will become the same even if who writes, as long as there is no error. A processing line route map is a document of the conventional design specifications which makes about 70% unnecessary.

[0348] If it is the ** screen definition document ** define the file document ** need as indicated in drawing 10 as a document required of LYEE, it is a code table (the above is a client responsibility matter).

** It is a processing line route map ** individual memorandum ** word table.

[0349] Drawing 11 is drawing showing the relation between the data.

[0350] In practice, if an operator creates a word table in abbreviation half a day, and he inputs a word table into the tool (it mentions later) (for example, what is called LYEE-PON and the thing called LyeeALL) which generates a program automatically based on this invention continuously, all the required source programs that make actuation possible by electric earliness will be generated. About the word which computes the value of data by given arithmetic expression to the generation source program, the part of self-generation of the program of the word is only permuted. From the next day, an operator can add and complement the arithmetic expression into the part of self-generation. for example, the base called LYEE-PON -- a logic generation tool is the scale of 1800 lines, and, and yet, forms 90% or more of automatic generation of a program regardless of language.

[0351] an old track record -- the word of 19 screens -- all -- coming out -- 400 cases -- the base on W04 and W02 -- although logic becomes about 800, complementing is about 100 of them. The rest is because it is generated 100% by LYEE-PON. Since given operation expression is only embedded at the complement of 100, about two days are only required. Since one ** is sufficient, as for W03, another person in charge will perform it to a system by this development.

[0352] (Data coupling) the base shown by drawing 4 -- from the program of logic, although it is obvious, the business procedure logic except an attribute check, input check logic, and the logic of exception handling do not exist anywhere. There is no internal logic which SE makes like the conventional program anywhere. system logic is still materialized in an operating logic list -- this invention (LYEE) -- the base of five word units on a definition object -- it is because data coupling is formed only in logic.

[0353] In LYEE, the logic in which a data factor and a life [us] object create fatally the logic which forms data coupling is called a logical factor, and is distinguished. Since it is not made for the program structure of a conventional method to be concluded in logic only in data coupling, SE must create the logical factor. It will be said that the truth nature of a logical factor will be false if a logical factor is ontologically said in the semantics which originally does not exist in the internal structure of an existence event, and a life [us] object creates freely.

[0354]

[The principle of the theory applied to this invention] (A) an introduction -- if [the Nature (existence event materialized in the radical of space-time) created daily] conscious, it will be alike and it will not be concerned, but it is regarded as what has functional semantics altogether. Although it is difficult to be strictly aware of the one one semantics, they are considered to make the structure from which the combination of the element which took significance along received the operation of space-time.

[0355] However, there must be existence of the "space" which has the relation of the ** in the premise by which the "space" itself which is forming the existence event on condition of space-time under natural laws is materialized. In the space which has the relation of the ** concerned, so, with an event, therefore space-time does not have "it is the relation of **", and because cannot change with an event, a function cannot change, and these Nature will merely exist only as "semantics" in the space. And it becomes impossible theoretically to catch the significance which exists in the "space" which has the relation of the **, although we the human beings themselves are the existence events in the radical of space-time therefore. however, the truth of the existence event which we human beings are aware of should be left to the significance which **** to the space (idea space) of the relation of this ** -- the significance which comes out, and is in this idea space since it is -- natural space -- a phase -- or if it can pull out, the truth of an existence event will be caught by us human beings, and it can apply to production of software.

[0356] The method of thinking of [Lyee] tends to create the structure which catches the "significance" which exists in the space which has the relation of this **, although it calls it software, it tends to apply it to the inquiries into the truth of existence, and it tends to apply it even to production of software further.

[0357] (B) While a program is decided from the requirements of the purpose usual of LYEE, and intention manifestation of a client, a design and a production process intervene. In this invention, I think that its design and production process are produced when space-time intervenes between two events. Then, if this space-time can be contracted, a program can be decided early [that / part]. Furthermore, if space-time can be made into zero infinite, I will think that they also make the decision instantaneous since requirements and a program will exist instantaneous.

[0358] About this relation, this invention is "the structure which requirements and a program can determine as coincidence as a conclusion of contraction of the contraction solution = space-time of proposition = space-time."

It sets with ******. General and positioning called what exceeds the special theory of

relativity and is equivalent to the large grand unified theory (SEORIOBU everything) which is the ultimate theme of theoretical physics of Einstein are also possible for invention concerning this application in this semantics.

[0359] Drawing 12 is drawing to show the relation between the building envelope (for the space to be called "consciousness space".) of an existence event, and the space (for the space to be called "natural space".) of an existence event. The operation which makes space-time zero is performed as follows.

[0360] That is, the phase of the proposition of natural space is carried out to consciousness space. If it compares to a phase here and says, a molecular structure type is synonymous with changing into the condition of a steam similarly expressed as H2O the ice expressed as H2O. Therefore, it is in the condition that space-time was contracted between requirements and a program with this phase, however means existing, after requirements became independent as requirements and the program has become independent as a program. Now, the structure of the proposition by which the phase was carried out is recaught in natural space using an associative equation. And the solution of an associative equation serves as structure which caught the solution of the proposition in consciousness space in natural space. A scenario function is this solution. And if a scenario function is made to return by the reduction formula (that is, let me work on a computer), a condition equivalent to the solution corresponding to the proposition of natural space will be created. A computer will play the role which returns it to the program of LYEE.

[0361] If the above is put in another way, the method of an interpretation of semantics will be left to people and only the universal structure which produces semantics will be pursued. Consequently, found-out "the universal structure which produces semantics" is named "synchronous structure", and the function which determines software with the synchronous structure is named a scenario function. And without interpreting, by catching only the structure of semantics, semantics can apply synchronous structure now and can abolish now many activities which needed the thinking activity.

[0362] (C) The semantics which language has about the semantics which language has is produced only after those as whom the data itself which has appeared on the screen or the document are not all, and it looks at and interprets it intervene. And it cannot be overemphasized that the method of the interpretation is of infinite variety, and is caught by people, and there is no ******. The requirements definition of software is realized by means of language. The program is also made by means of language (programming language).

[0363] Language serves as the fountainhead of human beings' wisdom, and software can

also do the way of saying called the top-most vertices of wisdom at which human beings arrived. However, although language hangs down human being between men, is a ******** thing and is convenient, it can say it also as as troublesome a thing as it says that there is misunderstanding since there is language. It considered as "trouble" because one language was not completely received as the same thing by the addresser and addressee. The situation is the same even when it is just soft in the point of this trouble. Unless the generation process of the semantics which language and language have is studied from this, that it cannot be can say the ultimate software development methodology made into the purpose of this invention.

[0364] Generally, it is thought that the generation process of semantics and the generation process of a software program follow the process same in fact. And before the instant in which the language which makes the semantics recognize appears, if the mechanism in front of the instant which human being recognizes, and work do not understand language, it will be thought that the truth of semantics is not caught. As a result of solving this mechanism through various thinking, consideration, researches, etc., recognition of, as for them, sulfur not passing [sulfur] to the difference in an expression as language in art and an inspiration, but the number of the fountainhead having been one and being in the field out of "the world, i.e., recognition, which is not a foregone conclusion" before the instant which recognizes these inspirations, language, etc. was acquired.

[0365] It can be said for considering on the other hand that our civilization has been built by the history which recognizes what visible. So, the civilization which recognizes what is not visible was discussed in the speculative view of the world, and was not discussed as the so-called science object structure. Among these, the existence of semantics and time amount which is not in sight is typical. the so-called culture ["view of the world / speculative"] in here, such as philosophy, religion, politics, literature, and art, -- pointing out -- "civilization" -- material civilization - [in concrete] that is, be -- it is alike and the intellectual work which can be returned is pointed out. Among these, "culture" was an existence with unrelated productivity drive of a modern industrial product and quality reservation until the concept of software appeared. It means changing into the important technical element to which this "speculative view of the world" will influence neither a productivity drive nor quality reservation without the appearance of software.

[0366] In studying the truth of such "structure of semantics", the solution to be calculated with the dominant branch way of catching in the field of science in the 20th century is acquired. Set to the elucidation of "semantics." Supposing it is not the criteria

of science in the reason for not being material, it must stop having to deny the concept of "time amount." Conversely, the part which is considered with if it does not come to a conclusion as simplistically as what may also except semantics from the object of science if time amount can be set as the physical object and which is not visible no matter what device may be given to the discovery, although it was tried hard and discovered noting that we usually looked like discovery of an elementary particle for example, (elementary particle) will exist. So, the method of thinking for catching it is required noting that there is an existence which is not in sight, in order to catch correctly (even if an object is physical existence). I want to emphasize [in / especially / the indication of this invention] this point. That is, it is believed that the effectiveness which it has what "it is not [a thing] visible", and the thing "proof cannot carry out (at present stage)", and science nature must not be denied, furthermore this invention brings about must not be denied.

[0367] Now, consideration of the generation process of previous semantics is continued. In the phase of existence where the matter existence of "monochrome" is not in sight as for "Koto" called semantics, either, assumption whether a generation process is the same is realized.

[0368] (D) With software, the characteristic thing of the theory which something makes the basis of this invention (Lyee) is in the point which adopts the view of "proposition ****." That is, if software can be caught in proposition, if it will acquire a solution, i.e., a program, to coincidence, it will be discerned.

[0369] What kind of thing is catching in proposition?

[0370] The requirements expressed by means of language cannot be caught in proposition in the place examined this way and that as it was. if the procedure whether semantics is generated in the process in such a phase that cannot be expressed with - words which · lug which is not visible to the eye before expressing language does not hear (the bottom of unconscious ·· ** ·· you may put in another way), i.e., what kind of process, and language is chosen is not caught, it is thought that the mechanism of "catching in proposition" cannot be solved.

[0371] "Although a word and syntax are considered to be the means for expressing semantics, correlation of a word, syntax, and semantics is ambiguous. Moreover, although a word and syntax are put in another way in an alphabetic character or language, the correlation with semantics is ambiguous similarly. Semantics flows like time amount and it exists, we using language or a word themselves as well as time amount flow, exist, and the cause of ambiguity can explain the reason which becomes ambiguous, if it thinks that it originates in the ability of the absoluteness of the flow not

to be caught correctly so.

[0372] That is, it corresponds to the universal word and universal syntax which are assumed to have existed autonomously ["a means for a word or syntax to express semantics" / before human being gains language / from]. I think that human being applied language as it was as it thinks best rather than it regarded as the arbitrary concept to which human being created a word and syntax freely (about this, Chomsky has also advocated as a "universal language"). Then, there is a universal frame (you may call it the "collective unconscious".) of a word or syntax as providence of recognition, and it can be understood that each race applied its language according to the universal frame. It can be said that a translation is possible just because the word and syntax as providence are in the inside of the collective unconscious, if it says. Recognition of "me", recognition of "you", recognition over space. it is ******** between race language ·· if it becomes, generally the analog between each language will just be [it does not divide into but Datong is observed to be] going to accept (For example, as a word, "I" and "I" regard as the word of the same semantics.)

Suppose the word and syntax here which exist autonomously, and semantics that it is thought with space-time that human being's expectation is what changes not related similarly to a certain natural phenomenon. Then, it will be said that it cannot be governed since a change of the autonomous word or the autonomous syntax, or semantics become the origin of it cannot govern space-time even if human being can govern the invention slack language.

[0373] It is a general view that the recognition of human being in which semantics exists is semantics since there is human being. However, in this invention, a word, syntax, and semantics are caught just like a natural phenomenon. However, humane semantics (semantics given by human being) is different strokes for different folks, and original semantics considers that "humane semantics" is a different thing. If a word, syntax, and semantics exist autonomously, it can say that software also already exists autonomously. Although it thinks that this is discovery, before proving, it cannot but submit also to the treatment an "assumption." If having mentioned above is "discovery" and it will be an "assumption", in this invention using and applying it, consequently producing the great target effectiveness, it will not change at all.

[0374] If it puts in another way, it will be said that it goes back and the language used for requirements as catching software in proposition is caught by the level of the word, the syntax, and semantics which exist autonomously. I hear that he understands as a literal proposition which does not leave ambiguity, and it is. When done so, it was proved that the result of having applied faithfully the theoretical construction whose

fact of the proposition and the solution having become one set and having gathered there used a hypothetical setup and a hypothetical assumption as the base, and its theory became just like that.

[0375] It does not understand, even if it criticizes humane language and text based on individual understanding of an individual situation this way and that. If it goes back to the world of the base of the word, the syntax, and semantics which exist autonomously and catches in proposition, the solution (it exists as a proposition and a pair) which synchronizes with a proposition can be acquired. It is thought that it does not carry out that each conventional methodology goes back even to the essence, and catches semantics, but there is a reason by which an essential improvement of software production was not made just in the point of having made the individual situation intervening.

[0376] The world of the base of the word, the syntax, and semantics which were mentioned above and which exist autonomously is the field of the existence which is not a foregone conclusion. Then, in making this invention, the theoretical discernment of the internal structure of the existence stated to the following term was carried out, and how to technique-ize very concretely discovery obtained from there was adopted. That is, invention produced noting that it became the software-development approach to catch the principle and operation in the field which is not visible to an eye called the process in which semantics is generated there paying attention to "the word which is a means for expressing semantics", and to project it on a program as it is is this invention.

[0377] (E) This invention explains below to the internal structure of existence the internal structure of the existence set to a rationale.

[0378] Drawing 13 thru/or drawing 53 correspond.

[0379] Although the smallest units of an existence event are a material electron and an elementary particle in present-day physics, the elementary particle which calls this theory a nature's existence event and Nature calls significance presupposes that it is materialized according to the decisive operation which is called grouping and which is performed that there is nothing. Easy explanation of significance and grouping is mentioned later.

[0380] And in the aggregate of significance with a certain characteristic property, grouping of the truly minimum matter is carried out, and it is determined. This is called supramolecular structure. Supramolecular structure serves as space of a spread still more detailed than a spread of the space which consists of an element which forms the consciousness, and relation from the formation of our consciousness.

[0381] Explanation of supramolecular structure is mentioned later. Incidentally, the

matter which we are aware of, for example, an atom, is materialized as what resulted in the conclusion while supramolecular structure carried out grouping further. So, all Nature including us is materialized in the radical of material grouping.

[0382] However, the description of this theory is making into the base of a true existence the significance which incidentally becomes rather than making the supramolecular structure into the base of an existence event.

[0383] For example, according to this theory, the semantics which we say is materialized as supramolecular structure which already carried out grouping. And although difficulty with us mutually aware of the same semantics is experienced daily, it is because the number of the supramolecular structures which participate in grouping to which the cause is performed individually is mutually different.

[0384] So, it is required for catching existence by common consciousness to catch the significance in the origin rather than to catch existence according to supramolecular structure.

[0385] The significance in the base of supramolecular structure ************ serves as an existence which is not in sight.

[0386] It is shown in aiming at the intention of this theory so that we who are life objects can be structurally aware of it.

[0387] It is a natural conclusion from the origin of existence that the existence which is not in sight exists more mostly than the existence which is in sight. The typical thing of the existence which is not in sight is semantics. Although a word and syntax are set to one of the means showing the semantics of **, as long as we realize, even if it replaces what it talked and was copied from language, ambiguity still remains as it is.

[0388] The existence which is not in sight can do conceptual attachment ****** as relation produced from the relativity of the size of the significant space of existence (refer to drawing 42).

[0389] For example, when seeing a size side from a smallness side, more than the finite region by the side of size serves as infinity. This infinity is an existence which is not in sight from a smallness side.

[0390] When seeing a smallness side from a size side, below the finite region by the side of smallness serves as infinitesimal. This infinitesimal is an existence which is not in sight from a size side.

[0391] The relation of the finite region by the side of the size seen from the finite region [by the side of the smallness seen from the size side] and smallness side makes the existence by which both both are seen materialized.

[0392] Two existences which have a size relation from this relation cannot balance a

mutual existence completely.

[0393] For example, since the thing of the same magnitude (the ideological size that magnitude here has not only the magnitude that can be planned with a material scale but a large feeling is also included) never does not exist in natural space, the existence which is not in sight exists constantly.

[0394] For example, even if it succeeds in discovery of a certain elementary particle as a result of a thinking-[us] observation-device, if size relation exists in the diameter of significant space of significance and the diameter of significant space of an elementary particle which form our consciousness at all, the existence which is not in sight is materialized among both.

[0395] In our consciousness, significance is the non-matter and exists as a set which uses the vital force (even finite rational numbers) of a proper, spatial breadth (finite rational number) of a proper, etc. as an element for every significance.

[0396] The element is called a significance element and the unit-set is called a modality. That is, a modality is the unit of significance. A significance element is positioned as an identifier of the non-dimension instead of the physical quantity which we are aware of.

[0397] The origin of the modality is carried out to the space called unknowable space, and it is developed by the space called idea space.

[0398] If the modality which exists in idea space becomes three or more pieces, it will be structured in the property called a unit. The structured modality is called a chain.

[0399] The set which uses a chain as an element is called space.

[0400] There are five sorts, a "consciousness chain", an "establishment chain", a "event chain", an "equivalence chain", and a "natural chain", in a chain. And the chain differs in a property, respectively. So, the space which the set of a chain creates also differs in a property mutually.

[0401] Grouping is performed only on two sorts of chains, an "equivalence chain" and a "natural chain." Grouping is not performed on the chain of other classes.

[0402] In order to eliminate the description of a chain of the same kind, grouping newly creates a chain of the same kind, on condition that the relative relation of the significance element of two chains of the same kind, and it is performed by the intention which changes the property of the affiliation space.

[0403] An equivalence chain creates the equivalence chain which carried out grouping and which carried out grouping to seven pieces in the space to which it belongs.

[0404] The equivalence chain which carried out grouping to seven pieces establishes a new significance element as the proof. It is called supramolecular structure. Supramolecular structure is matter which we are aware of. However, we are unable to

be aware of the physical quantity.

[0405] The explanation by which the matter is created is omitted. It is because the indication of this invention is not affected.

[0406] The equivalence chain which carried out grouping to seven pieces secedes from equivalence space by the difference in the property. The space which uses a natural chain the equivalence chain from which it seceded, and uses a natural chain as an element is called natural space.

[0407] The modality of idea space is copied and a chain is built. Similarly, the chain established by grouping is also materialized with the copy of a modality. So, the original chain is not extinguished by carrying out grouping.

[0408] A chain is not extinguished unless a dismantling situation is encountered.

[0409] The chain in front of grouping and the chain in the process of grouping to seven pieces will intermingle and exist in equivalence space. And the equivalence chain which exists in equivalence space contributes to the further grouping. The chain of another class which performs grouping is a natural chain. Since the formation conditions of grouping are satisfied without limits unlike the case of an equivalence chain, grouping of a natural chain is performed without limits.

[0410] A natural chain uplifts the physical quantity at every grouping (additivity of mass).

[0411] All Nature, such as our consciousness, a life operation, and a natural phenomenon, is materialized by grouping of a natural chain.

[0412] Incidentally, all also of creation of our feeling, the change and birth of an elementary particle, its migration, and those dismantling are controlled by grouping of a natural chain. And the true base of the natural chain is significance.

[0413] Existence of a modality, creation of a chain, grouping of a chain, and dismantling of a chain are performed by **** established according to the secondary structure which uses the set of a modality as an element, and the secondary structure which uses the set of a chain as an element. Explanation of the secondary structure and **** is omitted.

[0414] The time amount which has controlled us expresses an operation of grouping. So, the smallest unit of time amount is a unit of grouping. Explanation of the unit of grouping is omitted.

[0415] Since seven or more piece grouping of the chain is not carried out in equivalence space as mentioned already, the operation of grouping performed in equivalence space does not reach the space uniformly. The time amount concept in equivalence space becomes imperfect by that. In natural space, it becomes perfect.

[0416] Our life operation is also materialized in decisive grouping which is not, and, so,

significance changes that there is nothing decisively. It is for this that we make specific significance static and cannot be aware of it. And that which we can be aware of is the after-image of the significance which continuous grouping creates.

[0417] An after-image serves as the secondary structure instead of the significance itself. It is exactly a function event.

[0418] All behavior produced after receiving the language which we emit, or language is function events.

[0419] And the true base of the formation is significance and, in the significance, we exist independently.

[0420] Supposing, as for the conclusion of this theory, our consciousness is materialized in the space where grouping is not performed, I hear that we can be aware of the significance in the origin of existence, and there are. However, existence providence must be made reversible to form this and it becomes impossible.

[0421] (E-1) The semantic book theory of related (E-1-1) self-generation of the internal structure of existence and LYEE software structure is calling the "chain" the condition that the modality with the magnitude of the significant space of dense structure and the magnitude of equivalent approximation significant space was found. In fact, the place which this "chain" means expresses the conditions on which the thing "semantics" is materialized. It is not because it exists independently that it can identify what as it, and it is discriminable only after it has relative relation.

[0422] That is, it is realized in relation with the both sides with the partner who does likeness to it recently existing that it has semantics as it (formation of significance). That is, if the set of the element of plurality [element / independent] and equivalence attachment ****** are formed, the significance of the independent element can be determined by the significance of a set of two or more of the elements. This is a "chain" and expresses the set of the element (Ei) of "an equivalence modality (Ej)", a call, and plurality (m) with "dense structure (sigmamEi)", a call, and a degree type for an independent element. Namely, formula expression of a chain ; sigmamEi ** Ej** It is shown that the magnitude of significant space is approximation (that is, equivalence).

[0423] in addition, an equivalence modality -- the magnitude of the significant space of dense structure -- smallness -- a modality is chosen.

[0424] Although it is in application to the software of this theory and a logical element is created for every word, the word means that the object of the semantics which we are going to recognize is the location exteriorized there (that is, solution to). Namely, the equivalence modality in the word:theory: It is the location where the solution to is exteriorized, and self-generation of the logical element is an operation which executes

[0430] And the existence event is behavior of people. It means starting from the man's not volition but establishment chain KIKKAKE which causes behavior of the man. If it puts in another way, it is the same as the flow, i.e., start behavior (namely, life operation) of people, from the establishment chain which went to exteriorization (namely, recognition of an output phenomenon) of an existence event, and the recognition action (giving the significance to the candidate for recognition) of those who become KIKKAKE of behavior of people means that the significance of a consciousness chain is exteriorized in response to the trigger of an establishment chain to an existence event.

[0431] If it is in application to the software of the contents of this above theory Three logical elements of one word, respectively - trial-and-error - W02 logical element: -- structure [of recovery of an establishment chain and W02 logical element]: -- contingency and W03 logical element [of establishment chain creation]: -- structure [of recovery of an event chain and W03 logical element]: -- it is called the equivalence modality retrieval which results in the association of the consciousness chain in event chain creation -- Semantics [a pallet] of operation: W04(that by which consciousness chain was exteriorized) = W02 (behavior of people)

That is, for all behavior of a consciousness chain and equivalence, i.e., a man, behavior of people is volition's of wanting to synchronize with the truth expression -. Sequence of a pallet of operation: (W02->W03->) Correspond to behavior of W04 => people's behavior (W02->W03->) W04 => people.

[0432] (E-1-3) The chain to which empty semantics, now an empty equivalence modality exist out of dense structure is called a "unit." And the chain is called "empty", when an equivalence modality exists in the interior of dense structure and the dense structure consists of all the modalities. This "empty" is a chain created on the unique conditions that an equivalence modality exists in the interior of dense structure, and is the most important element that this theory discovered. "Empty" formation conditions are explained below.

[0433] As already explained, it roughly divides into a chain and there are a chain (consciousness chain) by the consciousness modality and a chain (it names generically and consists of a "recognition chain", a call and an establishment chain, an event chain, an equivalence chain, and a natural chain) by the recognition modality as it. And although a "unit" is materialized on any chain, "empty" is materialized only on a consciousness chain. It is because the dense structure which made the approximate modality the equivalence modality by infinity (that is, it is not visible), and includes itself since the modality (what has the largest time amount rate) which has the

magnitude of infinity (a boundary modality corresponds) and infinitesimal significant space in a consciousness modality was possible may be materialized if it becomes what.

[0434] It is because the modality with the magnitude of the significant space greatest with a recognition modality is the eventh place on the other hand.

[0435] By the way, at every ****, a boundary modality (the magnitude of the significant space is infinitesimal) belongs to a recognition modality, or belongs to a consciousness modality. Therefore, becoming the equivalence modality of the chain (the magnitude of the significant space is infinity) which a boundary modality becomes from the recognition modality of an infinity individual (that is, indeterminate) may be structurally materialized as a momentary chance, although not usually materialized.

[0436] The boundary modality goes over to a recognition modality for a moment in the case of ****. Then, it means that the consciousness chain as "a unit (an equivalence modality is the chain besides dense structure)" which makes an equivalence modality the modality which was a boundary modality had existed. It means that this, i.e., the solution of the dense structure, that is, the propositions of an indeterminate, i.e., the requirements for an indeterminate, which consists of a modality of an infinity individual, can catch the "unit" (namely, the proposition of finite = the solution, i.e., the solution to) of a consciousness chain in the conditions "empty" Becoming.

[0437] Although it is in application to the software of this empty of this theory and the phase element and the logical element are checking "empty" conditions at that head, even if it is requirements with the semantics become an interpretation equivocal [this] in natural space, personal, and unfixed, under the conditions "empty" Becoming, it has realized that the most important solution (namely, correct answer) can be acquired.

[0438] That is, it can be said that it follows and sticks to the significance of the origin, without making existence providence make it reversible, if the property "empty" empty [this] Becoming is used.

[0439] So, if the environment where we make empty create can be made, it can be aware of significance using the environment. The environment is called a ****** type.

[0440] A computer and software have the relation made to embody a ****** type. If it puts in another way, I hear that a ****** type can be applied to the approach of software decision, and it is in it. In that case, a ****** type and software are connected with an associative equation.

[0441] An associative equation and a computer are connected by the reduction formula.

[0442] An associative equation and a reduction equation are guided by this theory.

[0443] Since software must be determined based on a function event in the software development of a conventional method, it will be dependent on experience. Since

software will be guided by the associative equation and the reduction formula in this approach, it can determine theoretically and does not need to be dependent on experience. The solution method of the reverse logic equation which guides the software-ized solution method consciousness chain which is the reason which can create the improvement nature to which this differs from any of other approaches (E-2) is enacted about the specified recognition event (condition chain).

[0444] this paragraph describes the case where the solution method of the specified recognition event is carried out as software which works by the computer. And this solution method theory is called a software-ized solution method.

[0445] The paradox theory equation rewritten by the software-ized solution method is called a scenario function.

[0446] Explanation of a scenario function is mentioned later.

[0447] A scenario function is concluded as expressing the only structure of software. So, in this theory, software open fit business is concluded as the activity with which this scenario function is filled. If it puts in another way, it will become an activity homogeneous as exteriorizing the conditions which appear in the process of a software-ized solution method. That is because the strict proposition of the activity as which the conditions which appear in a solution method process should be determined is to be caught.

[0448] Usually, although the thinking approach which can be standardized in the thinking approach is named generically and it is put in another way as methodology, the thinking approach for exteriorizing in the case of this theory is not a thing called empirical knowledge in the proposition itself, and since it was caught in the logical process of a solution method, it will be inevitably standardized at a high rate compared with the former.

[0449] (E-3) Say that a development methodology software-ized solution method is formed into development methodology. The conventional software specifies a requirements event, i.e., a condition chain, functionally beforehand by the personal capacity (experience, knowledge, application force) of SE, and programs it.

[0450] The computer in this case bears the role which reproduces in information the condition chain which SE made known beforehand for a short time from that program.

[0451] namely, the conventional program -- a computer -- leading -- a short time -- known -- it is not being in reproducing a condition and producing a new condition chain.

[0452] So, the reproduced information leaves a new condition chain and does not spread it on the logic-ized operation of a life object performed by becoming an impulse.

[0453] This theory is formed into development methodology for making the

consciousness chain which this theory solved in the paper (recognition target) using programming language (I hearing that this develops the so-called program, and there being.). And the condition chain of which it is reminded for the consciousness chain is made to produce from a computer by overlapping the program structurally by the computer.

[0454] the so-called requirements event -- the thing of a condition chain -- it is -- it -- always -- being equivocal (CHAOS) -- it exists. So, although the self-conclusion depended for repeating (tameness) expressed the inclination which is easy to be assimilated, the place which sets to carry out the premise of creating the duplication chain of the formation origin, and will become unproductive as a result had a fundamental defect.

[0455] So, it was a fundamentally impossible thing for an approach to only have to specify enactment of the condition chain of a requirements event in advance, and to leave it to a computer.

[0456] For example, although the way of thinking of guiding it in operation is called AI and represented, it does not cross the region of an only commercial wishful idea.

[0457] This theory expresses the induction approach of enabling the alternative of this problem with a computer.

[0458] The program structure which catches the consciousness chain drawn from this theory was remarkably simplified compared with the structure of catching a condition chain. Consequently, the artificial activity which determines the software which makes a consciousness chain is also simplified inevitably.

[0459] Consequently, remarkable improvement-effectiveness is brought to the activity aspect of affairs of development and maintenance of software. The main point of the effectiveness is hung up over below.

[0460] ** Sepsilon activity which was indispensable by the conventional approach -- it becomes unnecessary 50% about.

[0461] ** The thinking activities of the persons concerned are sharply reducible. That is, in the case of this theory which catches a consciousness chain to could mechanize only about 10% about but 90% having been about left to operator personal capability of them in the conventional artificial activity which catches a condition chain, 70% of them is mechanizable.

[0462] ** The logic section of the source program in the conventional approach is about compressed by 20%.

[0463] ** Since the means only had that the upstream software development and downstream development connected with the conventional approach by the personal

thinking activities of a programmer, the relation between upstream software development and downstream development was unclear in addition to the person concerned, and, for the reason, the productivity of a maintenance service was falling about to 1/10 more compared with development. On the other hand, since it is theoretically reminded of the relation between the upstream and a lower stream of a river in the case of this theory, an individual logic-ized operation of the programmer of this part becomes unnecessary.

[0464] If it puts in another way, the relation will be no longer what was buried in individual psychogenesis, and if the theoretical structure of this theory is applied, everyone can perform the same thinking activities. Consequently, the productivity of a maintenance service will improve by leaps and bounds.

[0465] (E-4) The reverse logic equation by which the software-ized solution method was carried out using the space model which carries out the scenario function after-mentioned expresses the structure of the consciousness chain of software. Since the structure of a consciousness chain becomes one ** universally, the software structure in this case also becomes one ** inevitably. This is called a scenario function.

[0466] a screen -- the base -- scenario function T0 used as a definition object It is shown below. Namely, T0 =phi0 ({phip(Lk, i2, and {T1, f})}+{phip(Yk, i3, Ld, i, 3, and {T1, g})}+phip {Yk, i4, Lk, i, 4, T1, q}})

here -- phi 0 the base -- the pallet chain function which uses a definition object as a screen is expressed.

[0467] phip and k A pallet function is expressed. Suffix k expresses a screen identifier.

[0468] Lk and i2 the base of the semantic field W02 of the word belonging to the screen identifier k "i" -- logic (logical element) is expressed.

[0469] Yk and i3 the base on the semantic field W02 of the word belonging to the screen identifier k "i" -- logic (phase element) is expressed.

[0470] Ld, i, and 3 the base on the semantic field W03 of the word belonging to the definition object identifier d "i" -- logic (logical element) is expressed.

[0471] Yk and i4 the base on the semantic field W02 of the word belonging to the screen identifier k "i" -- logic (phase element) is expressed.

[0472] Lk and i4 the base on the semantic field W04 of the word belonging to the screen identifier k "i" -- logic (logical element) is expressed.

[0473] The word "i" of W02 and W04 is a word which exists in Screen k.

[0474] The word "i" of W03 is a word which exists in all the definition objects d that exist in a system.

[0475] T1 the base -- it is the scenario function which makes a definition object a

destination file. The suffixes f, g, and q express a file identification child. T1 [namely,] again -- the base -- it is the scenario function which makes a definition object a destination file. the pallet chain function in this case -- phi 1 it is . For example, T1 and f =phi1 ((phip, 2 {Lr, j2, Pr, 2}}+{phip, 2 {Lr, j3, Lf, j, 3}}+ {phip, 4 {Lf, j4 and Pf, 2}})

here -- Lr, j, and 2 the base of the semantic field W02 of the word belonging to reference file r "j" -- logic (logical element) is expressed.

[0476] Pr and 2 The operation element to reference file r is expressed.

[0477] Lr and j3 the base of the semantic field W03 of the word belonging to reference file r "j" -- logic (logical element) is expressed.

[0478] Lf and j3 the base of the semantic field W03 of the word belonging to destination-file f "j" -- logic (logical element) is expressed.

[0479] Lf and j4 the base of the semantic field W04 of the word "j" -- logic (logical element) is expressed.

[0480] Pf and 4 The operation element to destination-file f is expressed.

[0481] The word "j" of W04 is a word which exists in destination-file f.

[0482] The word "j" of W02 is a word which exists in reference file r.

[0483] The words "j" of W03 are all words that exist in a system.

[0484] (E-5) ****** type (refer to front drawing)

As it concludes from the above-mentioned theory, software is the relation showing the relation between the real phase of existence, and the truth. With development of software, although it is in forming a real phase chain, if an ideal is described, it will come back to forming a consciousness chain. However, the consciousness chain is eternally unknown and needs to form the reverse association which guides a consciousness chain from a condition chain to form the consciousness chain.

[0485] The indispensable condition is expressing the structural formation nature of recognition space and consciousness space in the space of one **. In this theory, this space is called a ****** type.

[0486] a ****** type is guided from the solution method conditions which appear in process of a software-ized solution method -- it has -- if it kicks, it will not become. So, software results in a ****** type and software development serves as the activity and homonymy which determine this ****** type. The structure of a ****** type is explained below.

[0487] The **** of recognition space which solution method conditions express is classified by acceptance, logic, and relativity. This **** is transposed to three sorts of 2-dimensional fields. And this is named a semantic field generically.

[0488] W02, W03, and W04 describe a semantic field, logic **** shall be expressed with

acceptance **** and W03, and it shall express relative **** with W04 W02.

[0489] On the other hand, the **** of consciousness space is set and changed to the space concept of the three dimensions in the relation between a semantic field and reverse association. That is, a space model is the structure which expresses recognition space with the chain of a semantic field, and expresses consciousness space in the three-dimensions space which the semantic field constitutes. And since the semantic element as used in the field of this theory is unrealizable in recognition, a word shall be substituted for a semantic element when development methodology is formed.

[0490] That is, a word is allotted to the three-dimensions space which a semantic field constitutes.

[0491] and the rearrangement (vector resolution) of the word is carried out to a semantic field -- having -- each **** -- the semantics nature -- the base -- it permutes by logic (program). the base -- logic is mentioned later.

[0492] Incidentally, semantics nature of a requirements event was specification-ized in experience or knowledge, and, as for the conventional program, it was logic-ized. the base -- logic -- each **** of a semantic field -- experience and knowledge -- replacing -- the semantics nature of a word -- the base -- it becomes the specification permuted by logic.

[0493] this base -- if the chain of the logic is carried out in field, it will become a functional modality equivalent to a recognition, condition requirements event. the association mentioned already -- the semantics nature and the base of a word -- it is that the correspondence relation of the functional modality which logic carries out a chain in field and is made to appear is materialized.

[0494] A field-chain is giving sequentiality to a semantic field and the format becomes three kinds theoretically.

[0495] However, when development methodology is formed, it becomes five formats from the method-situation of a computer. This sequentiality is expressed as a processing line route map mentioned later.

[0496] And this sequentiality specifies the formation conditions of the reverse association for guiding the truth from the requirements event of a real phase.

[0497] making a semantic element substitute for the word which the **** of a semantic field is known as solution method conditions, and exists in a system -- the base -- logic -- filling -- the base -- if the field-chain of the semantic field where logic exists is carried out based on three gestalten -- the -- since it can combine and come out and any behavior can be controlled altogether, it is equivalent to known.

[0498] And the reverse association for guiding a consciousness chain from the structure

of this ****** type can be formed.

[0499] (E-6) the base -- logic (refer to front drawing)

The word which exists in a system shall be set and changed to the semantic element which exists in consciousness space. Grouping of the word is carried out with a definition object so that a semantic element may be subset-ized from the significance.

[0500] And as the chain of the semantic element by which grouping was carried out was carried out by the significance, the chain of the word on a definition object is carried out in a life operation, and it is forming the requirements event.

[0501] For example, a screen forms a chain on a life object using the word on the screen. A curtain table forms a chain on a life object using the word on the curtain table. A file forms a chain on a life object using the word on a file.

[0502] In forming a chain on a life object, this definition object can serve as a requirements event.

[0503] If software is positioned as a means made to substitute for the life operation, in order that the role of software may form the chain of the word which is not formed only with the word which exists in a definition object, it will complement a new word and will form a chain. And the conventional software made the decision of the new word and chain decided to be Sepsilon in advance. However, the software guided by this development methodology performs interpolation and the chain of a new word itself.

[0504] If it adds, software must essentially be such. As mentioned already, the rearrangement of the word is carried out to a semantic field, and it is set and changed to a program by the **** of the semantic field. namely, the base -- logic is a program specified in a definition object, a word, and the semantic field by which the rearrangement was carried out.

[0505] And the role is permuting the semantics nature of the word by which the rearrangement's was carried out by the **** of the semantic field by which the rearrangement's was carried out, and setting to the word address.

[0506] In order that the semantics nature set to this word address may form the chain of a ******** semantics field, it opts for a function by two approaches. One is the approach of carrying out the phase of the semantics nature of the same word which exists in other semantic fields, and setting it. Another is the approach of drawing from the semantics nature of other vocabulary of the same semantic field in operation, and setting.

[0507] This operation should be filled only with either. And when both both are materialized, priority use of the former is carried out. The program of a phase element and the latter is called a logical element for the former.

[0508] all the words of a definition object -- a semantic field -- a rearrangement --

carrying out -- it -- the base -- when it set and changes to logic, the semantic field is called a pallet. and the pallet function which mentions a pallet later -- the base -- grouping of the logic is carried out.

[0509] the base on a pallet -- logic -- activation -- having -- for example, a CALL instruction -- sequence -- a train -- are-izing and it is arranged. Although this arrangement is [the sequentiality of a phase element and a logical element between groups] needed, the sequentiality within a group is unnecessary.

[0510] if it adds -- CALL and the base -- the pair of logic -- the instruction part of an absolute language, the pair of operand part, and a function -- it is becoming structurally equivalent. it -- the base -- it means that logic is equivalent to an operand function.

[0511] the base -- logic turns into logic for controlling not the program showing the conventional function but the word address which exists in a semantic field from this semantics. This is one basis of a program saying [******] at logic.

[0512] The specification which permutes the semantics nature of a word by the **** of the semantic field which carried out the rearrangement is the **** of the semantic field itself. A requirements function may not be a specification like before.

[0513] The **** of the semantic field which are the specification conditions for a program is described.

[0514] (E-7) Acceptance **** (W02)

In order to extract the consciousness chain which is the significance used as the origin corresponding to the recognition operation which a life operation performs, it is **** which determines the processing path which carries out reverse association (indication), and it consists of a phase element and a logical element. Although merits and demerits do not discuss, in the latest OS, the phase element of this semantic field is unnecessary. A logical element determines a processing path.

[0515] When a file is directly related to a recognition operation, the consciousness operation said by W03 is performed by this acceptance **** instead of W03 (refer to front drawing).

[0516] (E-8) Logic **** (W03)

It is **** for logic-izing semantics nature of a word. Formation and the extract conclusion of a consciousness chain of logic-izing are synonymous.

[0517] The concluded consciousness chain is memorized unescapable. The storage in this case is file-izing that consciousness chain.

[0518] Incidentally, the curtain expression force is synonymous with this storage.

[0519] Although a memory action may be processed by the program of a conventional type, since that functional decision serves as an unwilling activity speaking as software,

this development methodology is also coping with this technical problem.

[0520] A phase element is acquiring information required for logic-izing from the semantic field of W02. When that information is absent, this operation cannot be performed to W02.

[0521] A logical element is derived using the information on word addresses other than the self which exists in the W03 [same], when information does not exist in the word address of self.

[0522] This operation cannot be performed when the information on a principle or a required word address that derivation is formed does not exist (refer to front drawing).

[0523] (E-9) Relative **** (W04)

The chain of the chain is carried out further and it expresses a new modality. This semantic field manages **** for carrying out the chain of the consciousness chain further.

[0524] When a semantic field reflects screen information, this semantic field performs editing on screen to output. In the case of file information, file editing to output is performed.

[0525] A phase element acquires information required for edit from the semantic field of W02 and W03. The operation cannot be performed when information is absent. Priority is given to the information on W02 when it exists in both semantic fields.

[0526] A logical element derives information required for edit from the information on word addresses other than the same self of W04. This operation cannot be performed when the information on a principle or a required word address that derivation is formed does not exist (refer to front drawing).

[0527] (E-10) Pallet (refer to front drawing)

Grouping of the word which exists in consciousness space is carried out for every definition object. the same -- the base -- grouping also of the logic is carried out for every definition object of this. a pallet -- this base -- it is the thing of a set of logic. namely, the base by which a pallet is distinction-ized in a definition object and three sorts of semantic fields -- it is the thing of the aggregate of logic. a pallet -- a pallet function -- the base -- logic is structured.

[0528] Although the structure of a pallet function is one **, it is required for every pallet.

[0529] (E-11) The requirements event of WT unit former is prescribed by the definition object.

[0530] It is collected functionally and definition **** is called WT unit (WALK-THROUGH-Unit).

[0531] (E-12) Pallet chain function (refer to front drawing)

A pallet chain function is a thing for controlling a space model, and in order to derive a consciousness chain, it is the logic for giving sequentiality to a semantic field.

[0532] In a pallet chain function, it is phi 0 and phi 1. There are two classes expressed. the former -- the base -- what uses a definition object as a screen -- it is -- the latter -- a file -- the base -- it considers as a definition object. In addition, the latter is materialized as former subspace.

[0533] (E-13) Definition **** by which grouping was carried out per processing line route map Wtau is rewritten by the processing line route map.

[0534] A processing line route map and a pallet chain function are equivalent, and the expressional methods only differ. That is, a pallet chain function is a program and a processing line route map serves as specification which should be called design drawing. A processing line route map is the standardized only screen which can be determined by the initial stage of a work-clothes hand.

[0535] the whole of all documents, such as the requirements definition document of the former [line route map / processing], a design development document, a detail-design document, program specification, test specification, an operating manual, development management data, and maintenance control data, -- 40% can be covered about. .

[0536] (E-14) The Fig. before a supplement is a description Fig. of time amount providence.

[0537] A spread (total time amount of a solution method) of the unit time amount materialized in the same space expresses the depth of the space.

[0538] Front drawings are a space model and a description Fig. of the overlapping structure.

[0539] this Fig. -- the base -- the structure of the space model in the case of LYEE-izing to the conventional-type program which appears in the pallet of the pallet chain function phi 0 which uses a definition object as a screen is expressed. namely, a conventional-type program (plurality) -- the base -- the pallet chain function phi 0 (plurality) which considers a definition object as a file permutes with T1, and it becomes the structure controlled by the pallet of phi 0 by which the program appeared.

[0540] 01. Pallet Chain Function Phi 0 The batch program which uses as a processing line route map the scenario function T0=phi0 ({phip, Li2, T1, k{f}}+{phip, k{Li, 3, T1, g}}+ {phip, k{Li, 4, T1, q}})02. pallet chain function phi 1 used as a processing line route map the scenario function T1 in the case of LYEE-izing and f=phi 1 (phip, f{Lj, 2}+phip, f{Lj, 3}+phip, f{Lj, and 4 --})03.k are screen identifiers, and f, g, and q are file identification children.

[0541] 04. The processing line route map phi 0 is expressed with five sorts of processing

paths on the basis of a screen.

[0542] 05. The processing line route map phi 1 is expressed with three sorts of processing paths on the basis of a file.

[0543] Front drawing is a description Fig. of the relation between a word and a ****** type. the word which exists in a ****** type ·· the base ·· it is controlled with a definition object and a semantic field transfers. the word by which a rearrangement is carried out to W02 and W03 ·· the base ·· the rearrangement of the word which exists there with a definition object is carried out. the word by which a rearrangement is carried out to W03 ·· the base ·· regardless of a definition object, the rearrangement of all the words that exist in a space model is carried out. the base ·· a screen and in the case of phi 1, a definition object is a file when a pallet chain function is phi 0. The word to which a screen word exists in a screen, the word which makes a file word a file, and a curtain table word are words which exist in a curtain table.

[0544] Front drawing is a description Fig. of the logical structure.

[0545] the logic to which this Fig. symbioses to the field concept of a pallet, and it, i.e., the base, ·· it is a thing to show the relation of logic and the conventional·type program P. In addition, although a conventional·type program turns LYEE with the pallet chain function phi 1, it is not expressed in this Fig.

[0546] 01. the base ·· FILES of the reference frame which logic uses is omitted.

[0547] 02. Practice BOX and ****** BOX ·· the base ·· the operand field which constitutes the logic of logic is shown.

[0548] 03. ****** BOX shows the data·processing area (BUFFER) for a program conventionally.

[0549] 04. As for Program P and its data·processing area, only the number of definition objects (a screen, a curtain table, file) is defined conventionally.

[0550] 05. The maximum total of a pallet is 3xG of the number of screens (G).

[0551] 06. A number (W) of a word (alpha) of 3xW with which the number of continuous lines BOX exists in a system is defined.

[0552] 07. the base ·· the number of logic is the number of the continuous lines BOX depending on the word which exists in the space model defined.

[0553] 08. a pallet ·· the base ·· it is generalized with a pallet function (phip) by using logic and the conventional program as an element.

[0554] 09. A pallet is governed with a pallet chain function (phi 0).

[0555] 10. Call the logic guided with a pallet chain function (phi 0) a scenario function (T).

[0556] 11. A program prescribes the boundary condition in the case of using PKG

software [finishing / inclusion / as an execution environment already] conventionally.

[0557] 12. The thin dotted line BOX is the area of the routing information which a pallet chain function uses.

[0558] 13. The **** dotted line BOX is called WFL.

[0559] front drawing ·· the base ·· it is the description Fig. of the semantics of logic.

[0560] 01. the base by which a pallet is controlled with a pallet function ·· it is the aggregate of logic and itself is a program.

[0561] 02. the base of the same family put in order by the pallet ·· logic ·· from the property of the logical structure ·· being in random order .

[0562] 03. CALL and the base ·· the relation of logic ·· structural ·· CALL ·· the instruction part of an absolute language, and the base ·· logic corresponds to an operand.

[0563] 04. An absolute instruction acts on an operand and is information which points out the data area address which an operand needs for the instruction.

[0564] 05. the base from this relation ·· the address of the data area which needs logic for ** instruction processing ·· determining ·· ** ·· the operation replaced with CALL decided from that address information ·· carrying out ·· ** ·· it becomes the contents which set that result to the purpose address.

[0565] 06. A data area address required for instruction processing becomes clear naturally from the word information which exists in a semantic field and by which the rearrangement was carried out.

[0566] 07. The operation for which CALL is substituted is naturally decided from universal **** (base paradigm of logic) and the semantics nature (operation nature) of a word which were imposed on the semantic field.

[0567] 08. the base ·· the program of the conventional type which logic uses in the interior must make itself define the data area of a proper

[0568] 09. the base ·· logic ·· the program of a conventional type ·· CALL: ·· the base ·· as long as it arranges on a pallet due to logic, the data area of a semantic field may be used like ****** logic.

[0569] Relation with the theoretical vocabulary is explained below in note.

[0570] 01. The scenario function (T) is synonymous with a consciousness chain.

[0571] 02. the word to which a pallet exists in a semantic field ·· the base ·· it is the thing of the semantic field at the time of setting and changing to logic.

[0572] 03. A consciousness chain is the logic showing the requirements event's materialized in consciousness space existence origin, i.e., the truth.

[0573] 04. The structure of a consciousness chain becomes one ** constantly. If it puts in another way, the structure paradigm of software will also be only.

[0574] 05. It is the Nature to which a consciousness chain is reminded of a rearrangement chain through a relative chain, and duplication of the rearrangement chain exists in recognition space.

[0575] 06. Nature is a real phase and is a condition chain.

[0576] 07. A requirements event is partial Nature.

[0577] 08. A rearrangement chain is a chain showing the formation origin.

[0578] 09. Duplication of a rearrangement chain is frequency which gives a data value to the chain element of a rearrangement chain.

[0579] 10. Duplication of a rearrangement chain is duplication (Tn) of a scenario function.

[0580] front drawing -- the base -- it is the description Fig. of the example (W02) of logic.

[0581] Word: Sales (item which exists in a screen)

front drawing -- the base -- it is the description Fig. of the example (W03) of logic.

[0582] Word: Sales (item which exists in a screen)

front drawing -- the base -- it is the description Fig. of the example (W04) of logic.

[0583] Word: Sales (item which exists in a screen)

Front drawing is a description Fig. of a pallet function (phip).

[0584] a pallet function -- the base -- it is the logic for carrying out grouping of logic, i.e., a phase element and a logical element, and constituting a pallet.

[0585] 01. A pallet function is started from a pallet chain function, and returns.

[0586] 02. indication closing motion of a file -- the base from relation with an activation device environment -- you may distribute to logic.

[0587] 03. The easiest pallet function is the train of a CALL sentence.

[0588] 04. A pallet reboot flag is the area of a pallet function proper.

[0589] Front drawing is a description Fig. of a pallet chain function (base phi 0, definition object = screen).

[0590] 01. The conceptual-diagram 02. pallet chain function and processing line route map of a chain are homogeneous.

[0591] 03. The blank box of a flow should be disregarded.

[0592] Front drawing is a pallet chain function (base phi 1, definition object = file) description Fig.

[0593] 01. The pallet chain function and the processing line route map are homogeneous.

[0594] 02. The blank box of a flow should be disregarded.

[0595] (E-15) The state of a solution method to the positioning existential proposition of the LYEE theory serves as a pursuit of a material element, and has become the minimum element, i.e., the time of asking for an elementary particle strongly, as a

result. However, an existential proposition is not the thing of the property to end if material existence is checked.

[0596] For example, with discovery of an elementary particle, in the discoverer existing, I hear that the significance [method / of the existence of an elementary particle] was given by the discoverer inferentially and in observation, and there is. however, it has suggested that the theory decisive about how the wave function for explaining the world of quantum mechanics correctly solves the problem of observation does not yet exist -- as -- the discoverer -- oneself -- why -- the -- giving the significance (observation and inference) -- it carried out or the true reason is unknown. This problem reaches equally not only to a discoverer but all human beings.

[0597] About the true reason of one's action that this embodies existence of it, I hear that the significance [somebody] is given and there are we.

[0598] If it puts in another way, I hear that somebody can be aware of why [true] he exists, and it is. So, even if the significance [existence] is given materially, as long as it depends on human beings, it is essentially unfixed and the existence itself serves as an indeterminate.

[0599] LYEE concerning this invention is the theory that the unescapable indeterminate nature along taken in all the existences that regard semantic attachment as what constitutes not the semantics of linguistics but the structure of existence, and we catch using the structure will be conquered. So, the thing with the thing equivalent to the large grand unified theory (theory OBU everything) which is the ultimate theme of theoretical physics to position is also possible.

[0600] (E-16) The existence as used in the field of the structure LYEE of the LYEE theory is controlled in semantics, and presupposes that the structure of the semantics is forming existence. And the element which should be called elementary particle of semantics shall act each other, and the structure shall be created. This element is called a modality.

[0601] The unit of the structure which a modality acts each other and forms is called a chain. A chain acts each other further according to the property of a chain a modality and an own one. This operation is called grouping. The structure created by grouping also serves as a chain, and a semantic structure is expressed.

[0602] It becomes what unified both of a semantic structure who cannot memorize the semantic structure which we can memorize in existence.

[0603] A memorizable semantic structure is the matter which serves as an existence which we can be now aware of, for example, is carried by the encyclopedia.

[0604] The sound which the semantic structure which is not memorizable became the

existence which we cannot be now aware of, for example, disappeared, dead themselves, the thinking method, etc. correspond. We cannot be aware of the sound which disappeared, but even so, it is unknown whether the semantic structure disappeared completely.

[0605] Its semantic structure is unknown similarly. [dead] If it carries out from the definition of this existence, the sun exists because we memorize.

[0606] If our themselves storage is lost, the sun will not exist. The storage is also a semantic structure.

[0607] The sun forms grouping among us. On the contrary, we also form grouping between the suns. Since explanation of such grouping is uninfluential in demonstration of the main point of this application, it is omitted. A chain is materialized regardless of our consciousness, and if it encounters a dismantling situation, it will be disassembled regardless of our consciousness.

[0608] Storage and consciousness serve as a homonymy-semantic structure mostly. If a modality is classification-ized, it will become two kinds, a consciousness modality and a recognition modality, and a chain will become five kinds, a consciousness chain, an establishment chain, an event chain, an equivalence chain, and a natural chain. The chain which forms the semantic structure of natural space turns into a natural chain. A natural chain consists of recognition modalities. Grouping is individually performed within the set of a natural chain, and the set of an equivalence chain, respectively. An equivalence chain is created by the preceding paragraph in which a natural chain is created. Grouping performed within the set of an equivalence chain creates the further equivalence chain from two equivalence chains. Grouping performed within the set of a natural chain creates the further natural chain from two natural chains. The chain by which grouping was carried out is not necessarily extinguished by that, continues existence as well as the chain created by grouping, and is set as the object of the further grouping.

[0609] An equivalence chain consists of recognition modalities like a natural chain. The chain the equivalence chain carried out [the chain] seven-piece grouping is a natural chain. If an equivalence chain encounters the condition precedent of grouping, the equivalence chain will not be set as the object of grouping any more. However, on a natural chain, grouping is performed without limits, consequently the semantic structure of a natural chain is dynamic constantly. This is the basis which induces group human nature.

[0610] The detail of the principle of grouping is omitted. The structure of a chain is mentioned later.

[0611] A modality is born how or some structures of a modality or a chain the structure of a modality or a chain [what is expressed how and] [whether principle nature is in an operation of a modality or a chain or the principle nature of a modality or a chain is created any, and] An operation of grouping is created something, principle nature is in an operation of grouping, principle nature is between grouping and us, a dismantling situation is created how, or LYEE is the theory which systematized this.

[0612] (E-17) Since grouping of the outline natural chain of systematization is performed continuously without limits, the semantic structure created is in an indeterminate condition. If it puts in another way, the rim (profile) of natural space is constantly unfixed.

[0613] Incidentally, if the requirements for software development are caught in field, the requirements field will serve as subspace of natural space. Natural space is also a semantic structure and the subspace is also a semantic structure.

[0614] Although the approach of the conventional software development embodies the thinking method for changing the semantic structure of a requirements field into the semantic structure of software, LYEE changes the semantic structure of the complement field of a requirements field into the semantic structure of software.

[0615] Although a complement field is materialized as a field which wraps natural space, when applying as a method of thinking of [software development], a complement field is formed as a field which wraps a requirements field using the semantic structure called a ****** type (refer to front drawing).

[0616] Although grouping is performed on the chain which exists in a requirements field, grouping is not performed on the chain which exists in a complement field. Since the method of the existence of a chain that grouping is not performed is synchronous, this complement field is called a synchronous field. Although the semantic structure of the chain created by grouping is dynamic, the semantic structure of a chain to which grouping is not performed materializes and exists in the static condition.

[0617] The rim of a requirements field is unfixed and the problem whether the rim of the synchronous field is establishable, and the problem about the boundary of a requirements field and a synchronous field are conquered with the concept called "empty." That is, if empty is materialized for the chain of a synchronous field, the semantic structure of a synchronous field can be statically caught on the chain regardless of the semantic structure of a requirements field. And if the semantic structure of the synchronous structure is returned to a dynamic condition, the semantic structure will become the dynamic semantic structure and the equivalence of a requirements field.

[0618] If this can be materialized in a synchronous field, the semantic structure of the contrant region can determine universally. However, empty is materialized in a synchronous field and materialized in the requirements field in which grouping is performed. That is, empty is not materialized for a natural chain and an equivalence chain.

[0619] Although a requirements field is natural space, at a ****** type, it is formed in the property of three sorts of space, establishment space, event space, and equivalence space. Although a synchronous field is consciousness space, at a ****** type, it can be formed in the property of establishment space, event space, and equivalence space.

[0620] "Empty" can be defined as follows. That is, if all the chains that become the semantic structure and approximation-equivalence of one chain with which the semantic structure of the infinite set of all different chains belongs to that infinite set, and belong to an infinite set are formed in this relation, empty will be materialized in that infinite set. Moreover, when the semantic structure of the subset of an infinite set becomes the semantic structure and approximation equivalence of a chain besides the subset, the chain besides the subset forms a unit. For example, although the semantic structure and unit to which all others can also be [a one] aware of empty are aware of all others, they form the semantic structure which cannot be aware of itself.

[0621] We make 1+1=2 truth and make 1+1=3 a false. The reason is unknown in the ability of us to do [why] distinction of that truth, although this certification is not necessarily made. For example, what two pieces is what added one apple and one pear called? Is it what may examine and carry out each semantics of 1 and may decide 1+1=2 to be truth suddenly? At LYEE, each 1 also presupposes an addition result from an apple that empty is materialized at the time of an apple, and it is distinguished by the latter by empty not being materialized. Empty is such a concept.

[0622] A logical element is a unit materialized in a synchronous field. And a scenario function is the structure of the empty materialized in a synchronous field.

[0623] There is a property in a modality. It is expressed in front drawing and calls it a significant element.

[0624] A modality has two and the highest vital force which is not, and is born with two considering the space of the minimum non-quantity-breadth which is not as a parent. This space is called unknowable space.

[0625] A modality is born with two values. The two values are time amount rates which create the property of the ranking and the modality which make a modality appear and which incidentally become. The former is the natural number and the latter is expressed with a rational number.

[0626] At the time amount rate of the proper, on an existence line, the modality which appeared from unknowable space sits down, as shown in a before Fig. The space where a modality sits down is called idea space.

[0627] A modality is classified by a consciousness modality and the recognition modality in idea space.

[0628] The modality with a big time amount rate turns into a consciousness modality, and a small modality turns into a recognition modality. The modality of the boundary is a modality which sits down in the center, when the modality which exists in idea space is put in order with the value of a time amount rate. Although this modality is set to one of the consciousness modalities, it is called especially a boundary modality.

[0629] However, since a modality is not necessarily born in order of a time amount rate, a boundary modality changes, whenever a modality appears.

[0630] With the time amount rate of the born modality, if the boundary modality to it may change to a recognition modality, also when [that] reverse, it is. The rearrangement of a modality and the former are called the inversion of a modality for the latter. Usually, although a recognition modality does not replace a consciousness modality in idea space, in an inversion and recursion, it restricts and changes to a consciousness modality. Detail explanation of recursion is omitted. It is because it is not related to indication and worth of this invention.

[0631] The value of the time amount rate of a boundary modality is gradually converged on the value of the velocity of light while the number of the modalities which exist in idea space increases. Moreover, since a boundary modality interchanges, the time amount rate does not become a lasting natural constant. namely, the speed of light which will be the requisite for the theory of relativity of Einstein -- it will be said that an eternal axiom is doubtful as a conclusion of this theory.

[0632] A consciousness modality and a recognition modality are fair and the spatial breadth of a modality is determined with the inverse number of the difference of the time amount rate of a modality, and the time amount rate of a boundary modality.

[0633] So, in the case of a boundary modality, the denominator becomes zero, but it becomes the non-quantity-minimum value in that case. The value is a value of the magnitude of the spatial breadth of unknowable space. The spatial breadth of a boundary modality becomes the greatest magnitude from this constantly in the modality which exists in idea space.

[0634] Bordering on the time amount rate of a boundary modality, the spatial breadth of the consciousness modality of a bigger time amount rate than it is small gradually, and the spatial breadth of a recognition modality with a small time amount rate becomes

small gradually. The minimum breadth serves as a rational number approximated to the spatial breadth of unknowable space. Moreover, a modality is ****(ed) from unknowable space so that the establishment density function of spatial breadth may make the normal distribution which made the boundary modality the middle point.

[0635] The spatial breadth of a modality represents the significant element of the modality. The spatial breadth is determined when a boundary modality is decided. The spatial breadth of a modality is called significant space. The magnitude is expressed with the diameter of significant space.

[0636] In [a consciousness modality / the existence line] distribution, a recognition modality sits down in convergence, as mentioned above.

[0637] Idea space is ******** to distribution structure and convergence structure about all the modalities that exist there whenever a modality appears. If a modality is newly born, distribution structure and convergence structure will be rebuilt. So, it is only between until a modality is born that these two structures are stable. Dense [of distribution structure and the convergence structure] is carried out to each, and grouping is carried out to it. The set in which a consciousness modality and a recognition modality are intermingled is not materialized.

[0638] being dense -- the diameter of significant space of one modality -- opposite Perilla frutescens (L.) Britton var. crispa (Thunb.) Decne. -- smallness -- the modality of the diameter of significant space -- size -- it is opting for the set of the modality which added the modality of the diameter of capable space. The aspect number belonging to a dense set is expressed in the power (lambda-1) individual of 3 also as the dense set of the dense set of distribution structure, and convergence structure. lambda is the natural number showing dense ranking. The thing which made one modality correspond to each dense set is called a chain.

[0639] A corresponding modality is called an equivalence modality. An equivalence modality must not be a common modality. However, in the case of an equivalence chain, it restricts, and an equivalence modality is communalized. Grouping is produced according to this situation.

[0640] An equivalence modality is decided as follows. That is, all the modalities belonging to a dense set are put in order in the magnitude of the diameter of significant space. In this case, in the dense set of distribution structure, the diameter of significant space of that consciousness modality is put in order from size, and that recognition modality is put in order in order of fossete size by the dense set of convergence structure in order of smallness. The diameter of significant space of the modality of the even number ranking of the permutation put in order is totaled, and in the dense set of

distribution structure, the consciousness modality which serves as approximation smallness from the value is chosen from the consciousness modality besides the dense set, and turns into an equivalence modality. The diameter of significant space of the modality of even number ranking is totaled because it is a modality representing a balance.

[0641] In the dense set of convergence structure, the recognition modality used as approximation size is chosen from the recognition modality besides the dense set, and turns into an equivalence modality from the value. When the corresponding modality is already the equivalence modality of other chains, the modality of the second best which does not yet serve as an equivalence modality is chosen. The chain is not materialized if an equivalence modality cannot be chosen.

[0642] Total of the significant space of the equivalence modality of a consciousness chain and a consciousness chain serves as [the chain which consists of consciousness modalities] magnitude of consciousness space.

[0643] A consciousness chain is created at the same time all distribution dense structures are determined. If the rearrangement of a modality arises and a recognition modality is intermingled in distribution structure, a distribution dense structure list will dissolve and all consciousness chains will be altogether rebuilt.

[0644] The chain which consists of recognition modalities is a recognition chain. An establishment chain, an event chain, an equivalence chain, and a natural chain are recognition chains. The magnitude of establishment space, event space, equivalence space, and natural space serves as total of the diameter of significant space of each chain.

[0645] Since the principle of dismantling in the construction list of an establishment chain, an event chain, an equivalence chain, and a natural chain is complicated, it is omitted. It is because it is not related to indication and worth of this invention. A semantic structure is decided with the significance element of a modality, and the significance element of a chain.

[0646] The significance element of a modality and the significance element of a chain are shown in front drawing.

[0647] (E-18) If a relation paraphrase is carried out, a chain will be the structure with a scenario function where make a dense set as a proposition and it makes an equivalence modality the solution. That is, it is the unit which expresses the proposition and solution to instantaneous.

[0648] A scenario function is guided from the structure of a ****** type with the group structure of the chain materialized in a synchronous field. An attribute is the

equivalence modality of a natural chain. The equivalence modality of a natural chain is a recognition modality which exists in natural space.

[0649] Since a recognition modality exists corresponding to consciousness ****, the chain which exists in a synchronous field will become the same as incidentally having guided the attribute which exists in a requirements field, if the consciousness modality which exists in a synchronous field is incidentally formed.

[0650] Only 1 or two consciousness modalities of the number of existence of a consciousness modality and a recognition modality increase. The difference in this number of existence can be disregarded in matching significant space, if it sees from the whole number.

[0651] (E-19) The related consciousness modality with a data factor is developed by three data factors. The method of the existence of the data factor of W02 which is one is described.

[0652] The consciousness chain searched for on existence providence is determined based on the equivalence modality of an establishment chain.

[0653] A consciousness chain will be searched for if the equivalence modality of an establishment chain exists.

[0654] A consciousness chain cannot be searched for if the equivalence modality of an establishment chain does not exist. So, if the equivalence modality of an establishment chain does not exist, a data factor performs the operation which asks for it. The operation is creating dense structure and calculating an equivalence modality based on it.

[0655] Since the attribute of the establishment chain in a ****** type is set and changed to the consciousness chain of the consciousness space in a ****** type, a data factor is determined considering the attribute as the base.

[0656] An attribute is given based on our consciousness by the ****** type from the method of creation of an establishment chain. Whether the equivalence modality of an establishment chain exists is whether do not only check the success or failure of existence, but the existence serves as a unit.

[0657] The significance which was not dynamically caught by a unit being materialized will be caught statically, and the scenario function which can catch all software universally can be formed as a result.

[0658] The chain materialized in a synchronous field is called a data factor. The structure is expressed in front drawing.

[0659] (F) The structure of the application existence to software production can be set and changed to the relation between a proposition and a solution. In natural space,

although space-time intervenes between them, there is no space-time in consciousness space. Therefore, if the phase of the proposition in natural space is carried out to consciousness space and a solution is calculated, a solution can be calculated instantaneous, without making space-time intervene.

[0660] Although our traditional method of thinking turns into the functional thinking method which establishes the whole (profile) proposition and carries out dense [of the inside of the whole] to the solution to as further proposition, since the thinking approach of LYEE can form the solution, without establishing the whole, it can be called the synchronous thinking method. Drawing 54 is drawing which imagines the synchronous thinking method. **** which makes the base is in making existence principle-ize by empty and the unit. If this is applied to software development, the phase of the proposition of the requirements for development will be carried out, the program which is the solution materialized instantaneous will be acquired, and it will become the approach of returning the program to functional semantics by the computer.

[0661] A formula defines "the structure which produces semantics" and, specifically, this invention (Lyee) expresses it clearly as concrete "program structure." The clarified formula is called a "synchronous structure expression" or a "scenario function."

[0662] The element which forms a scenario function is a "word." A word is a unit which manages the data which a system treats like the "proceeds frame" on a sales data input screen, and a "customer code", as shown in drawing 55. For example, as shown in drawing 56 thru/or drawing 60, the item on [various] media is equivalent to the concept of a word. Such a word is collectively managed in the unit of a screen or a document. A screen and a document are another element which forms a scenario function as shown in drawing 61 thru/or drawing 62.

[0663] A scenario function is expressed with the following formulas. This defines "structure of semantics" by the formula and expresses it to concrete "program structure."

[0664] T0=phi0 ({phip{Li, 2 | {T1, f} k}+phip{Yi, 3+Li and 3 | {T1, g}}+ (phip{Yi, 4+Li, and {T1, 4 | {q}} k}))

it is in the upper formula -- as -- **** -- the base which {} was called the pallet function and has been arranged at the word "i" of a screen and Document k -- the structure which performs logic (program) is expressed. That is, the word of definition information is divided into five pieces, and serves as a program, respectively. this program -- the base -- it is named logic generically. Three of pieces [them] are called a logical element (L), and two pieces are called a phase element (Y).

[0665] A pallet function is applied to three pallets called W02, W03, and W04 in order.

for every word from the data area on W02 pallet. Next, a pallet function performs each logical element. Storage of a database is accessed by making other words into the starting point, and the logical element of W03 sets up the value of a word. All words are repeated for it until this processing also becomes significant.

[0671] The phase element and logical element of W04 pallet are performed similarly. W04 pallet supports the display and a screen display is performed. The set-up message is displayed on an abortive word here.

[0672] A pallet chain function (phi) is the program determined according to an execution environment, and performs interface with OS and middle software, and control of a pallet function (phip). a pallet function -- the base -- that by which carries out grouping of the logic and grouping was carried out is called a pallet. a pallet -- a definition object -- (-- although created by every k), the pallet expressed with phip {Yi3+Li3} is set to one by the system.

[0673] The program whose above realizes processing of one screen according to a scenario function seems to be performed.

[0674] Sequential substitution of the self-generation result of a starting point word is carried out by the activation based on a scenario function refer to [of an endpoint word] the starting point. Consequently, for every word, it will decompose into a comparatively simple logical element, and huge logic can also be caught. When the set is performed, the same result as having performed the original huge logic can be obtained.

[0675] Control of two or more screen and documents which constitute a system is described as a "processing line route map." A "processing line route map" is drawing showing the flow of the processing corresponding to the input of the word which determines processing paths, such as funky SHONKI on a screen, and a carbon button. According to the actuation on a screen, assignment which opens the auxiliary screen of a data input and which goes to the next processing screen that the printout of the document is carried out is performed.

[0676] Thus, this invention (Lyee) is having solved the structure which produces the semantics caught in the unit of a "word", and while the requirements for development are decided, it can draw logically the program as an optimum solution over the requirement for development. The requirements for development will be regarded as a word and the software development of an information system will be completed by "it expects" in synchronous structure. That is, since it is the translation which requires "it only expects", the "brain activity" which occupied 90% by the conventional technique will decrease sharply.

[0677] (G) Since a scenario function controls the program of LYEE, and the relation of

requirements universally per 1 step about the correct answer of software, if it carries out reversible [of the scenario function], it will become clear what should be carried out in the upstream. A development stroke is expressed to drawing 1. If this is compared with the case of DOA, an activity total amount will be contracted by 10 - 1/20. Requirements require only definition information, such as a screen and curtain table (if it already exists file) wording of a telegram, and become almost unnecessary [the so-called logical design activity]. If it puts in another way, and the effectiveness of LYEE is utilized, the exclusive software which does not have **** early can be developed rather than it customizes by introducing a package. Since the conventional internal logic which a scenario function is constituted only from a factor of data coupling, and SE devises is eliminated, as a result, the relation between requirements and a program is controlled due to a pinpoint touch, and becomes things. It is the reason to which **** does not exist in the program of LYEE.

[0678] (H) As that of this principle itself was also hung down and effectiveness mentioned [acted and] above, the requirements for development are uniquely determined as the program of Lyee, and a list. if definition objects (a screen, a curtain table, file, etc.) become a given thing -- a processing line route map and the base -- although logic and an auxiliary program are decided uniquely, the freshness beyond this does not have an example in others.

[0679] The main focus of this invention is hung up over below.

[0680] ** Lyee catches the requirements for development with synchronous structure. It is shown that synchronous structure means drawing 63 thru/or drawing 64. Synchronous structure is the first thing with the result of a theoretical conclusion in the world. And synchronous structure is visually expressed with a processing line route map. Synchronous structure is a ** type between the theoretical skies.

[0681] A processing line route map is the result of a theoretical conclusion like synchronous structure, and is the first thing in the world.

** the program of Lyee -- a pallet chain function, a pallet function, and the base -- they are four sorts of logic and an auxiliary program. These program structure specification is also the result of a theoretical conclusion, and becomes universal naturally. [as well as synchronous structure]

[0682] the base which catches the nucleus of the requirements for development especially -- logic is determined by the static structure.

[0683] A static structure is the result of a theoretical conclusion and is not the thing of the property formed in a rule of thumb.

[0684] The program structure of Lyee is the result of a theoretical conclusion, and is the

first thing in the world.

[0685] ** A pallet chain function is a program which accomplishes the outline of synchronous structure. The logic of the role which bears boundary condition with OS is included in this program on implementation.

[0686] The construction specification of a pallet chain function is the result of a theoretical conclusion, and, so, is universal. This function is also the first result in the world. The method of construction is the dynamic structure like the conventional program. A pallet is the formation element of the space structure which embodies synchronous structure, and is the first thing with the result of a theoretical conclusion in the world.

[0687] One pallet chain function is put by working the program of Lyee by the computer of the present method on the bottom of the OS for every CPU. a pallet function and the base -- the theory and an auxiliary program work under a pallet chain function. By working, a dynamic modality is created and the function of the conventional program and the condition of equivalence are created.

[0688] ** A pallet function is formed for every pallet. It is the result of a theoretical conclusion, and inevitably, the specification of the logical structure is universal and is the same structure to all pallets.

[0689] This function is also the first result in the world. A pallet function is prescribed by the dynamic structure like the conventional program.

[0690] Execution environment conditions are included in this program by logic on implementation.

[0691] ** the base -- logic is the program which catches the requirements for development, and the construction specification was theoretically concluded as two kinds of structures, and becomes universal. The software structure of catching the requirements for development with two kinds of structures is the first result in the world.

[0692] the base -- logic makes each data item (in Lyee, it is called a "word".) which exists as requirements for development permute by a total of five programs by two sorts of construction specification

[0693] Drawing 4 and drawing 65 thru/or drawing 69 are drawings explaining the place here. As shown in this drawing, two sorts of construction specification is called a logical element and a phase element, respectively.

[0694] Although the idea of deciding a program for every word is already advocated, the somatization was not successful anywhere. The reason is because the requirements for development cannot be formed by the approach of catching by functional logic.

[0695] Lyee is formed using the result by the theoretical conclusion called synchronous structure. Naturally it is the first thing in the world.

[0696] ** An auxiliary program is a program which catches the unescapable operation which intervenes between the requirements for development, and an execution environment. construction specification -- the base -- it applies to logic correspondingly.

[0697] As a program, it is specified functionally.

[0698] ** The approach of eliminating a process-gap called an upper lower stream of a river, and determining the requirements for development and a program instantaneous does not have an example in others.

[0699] There is the very serious description for the formation principle being in synchronous structure.

[0700] If the word belonging to a definition object is known, this sake can attain a program (90% or more) immediately, without needing the additional arrangement activity beyond it.

[0701] In the program of LYEE before being returned, every [the / 5 / 1/] was written for the functional semantics which approached most by recognition of a user based on the word. Namely, a user's vocabulary changes to the program of five for every vocabulary. this program -- the base -- it is called logic.

[0702] the base -- many effective descriptions can be acquired from logic. For example, the logic which the conventional SE was creating especially business check logic, and business process logic become unnecessary.

[0703] the logic which satisfies the requirements for a user -- the base -- if group structure of logic is returned by the computer (activation), since it will be created autonomously, in a conventional method, a design of the part currently called the upstream becomes almost unnecessary. the base -- logic has the last structure by the beginning as a completely independent program. Such a description will be woven and the technical problem of development maintenance of software will be inevitably improved from the bottom.

[0704] Since there is synchronous structure in Lyee, it is decided that the requirements for development and software will be coincidence. Therefore, the conventional development process is changed completely. the base -- logic will be excluded, a synchronous path will be drawn and it will complete by the simple activity which specifies the significant conditions of a word. The improvement in system development productivity which transcended the conventional common sense is achieved, and various effectiveness is made with an actual thing.

[0705] Since Lyee builds a system per user, also when building the system of an

individual exception or integration, time and effort is not taken, but is overwhelming time amount compaction, and is high. [of possibility of greatly contributing also in respect of management]

[0706] It can be declared that planning of the system plan by Lyee progresses more quickly than the speed of management. The reason is that it is not necessary to develop an individual exception after seeing the whole system like before, and it can reduce the development time wonderfully. From planning to a dramatic reform of development organization, the repercussion effect spreads several times over.

[0707] Lyee does easily the trick in which even the estimated method of development makes heavens and the ground reverse, and removes it. It produces the profits which are not bound by the cost price.

[0708] " from the logic of the side which builds a system since Lyee covers the process from the design in an office flow to systems testing by the consistent view ·· conversion" of a productivity scale is measured to the logic of the side to be used, and a development estimated method can be revolutionized from old fundamentalism to performance-based system.

[0709] Although a scenario function is the structure of one **, it is the structure of the one ** and the effectiveness which exceeds the conventional technique on the aspect of affairs of development maintenance of **, such as the so-called base (OS, compiler), middle, a package, process control, a game, and simulation, is created.

[0710] the base ·· if the structure of logic is seen, it will be said that the absolute language could be used for programming language. the base ·· since logic will be structurally controlled by the strictness of 1 step unit, it is synonymous with already existing. This will create the condition of improving the conventional development procedure greatly and saying that a former-design and a former requirements definition activity are already unnecessary.

[0711] If it attaches and says, the activity of decision of an upper specification, a development process, maintainability, etc. will be streamlined by the following bases in improvement.

[0712] ** The correspondence relation between the requirements for development and a program is universally decisive.

[0713] ** A program decision is decisive with a mechanical algorithm.

[0714] ** The logic whereabouts part of the requirements for development is decisive.

[0715] **-izing of the development verification can be carried out [****].

[0716] ** How to catch check logic changes.

[0717] ** Process logic is minimum-ized.

[0718] ** The decision of internal logic is unnecessary at the time of development. Internal logic is inevitably created from execution-time synchronous structure.

[0719] ** The boundary junction to a conventional type is decisive.

[0720] ** the base carried in a pallet -- logic and the loading sequentiality of an auxiliary program serve as unquestioned.

[0721] (I) -- the rate of Lyee-izing -- although our recognition is materialized in a data factor and a logical factor, the most is concluded as a logical factor.

[0722] Lyee -- the base -- logic is a data factor and an auxiliary program is a logical factor. and the base -- logic is the method (synchronous structure) of replacing an execution-time logical factor.

[0723] the rate of Lyee-izing to the requirements for development -- the base -- the sum of the total of logic, and the total of an auxiliary program -- a denominator and the base -- it is expressed with the rate which uses the total of logic as a molecule.

[0724] (J) explanation of the peculiar vocabulary used by this invention -- the online scenario function off-line scenario function reduction type ****** type synchronous structure W -- 02 pallet The construction specification of W03 pallet, W04 pallet, and a processing line route map online pallet chain function, The construction specification of the construction specification online pallet function of an off-line pallet chain function, the combination word of the construction specification online pallet chain function of an off-line pallet function, and an off-line pallet chain function -- the base -- the construction specification of a logic logical element, and the construction specification auxiliary program structure specification of a phase element -- above-mentioned explanation or the above-mentioned below-mentioned explanation is made to substitute about these The conceptual diagram which uses a keyword for drawing 70 and explains this invention is shown.

[0725] (K) In view of the present condition of software production, the base to this of a data processing industry is reformed from the view of effectiveness pair costs.

[0726] It is because Lyee improves fundamentally the software productivity to this, the maintainability of software, and the method of recognition of software. Individually, the productivity improvement of a 20 or more-time ratio is materialized conventionally. And if Lyee is share-ized on a scale of social, the effectiveness should reach one 1000 times the hundreds multiples of this.

[0727] Lyee is inherent in the thinking method for the ability to expect a social change not from the hint of an improvement but from the view of software. In the semantics, Lyee can be called intellectual property in human beings.

[0728] By whether software is recognized noting that it can establish requirements, or it

recognizes noting that it cannot do, the existence of software carries out and a way differs from the developing method fundamentally.

[0729] For example, a physical structure can establish requirements through a drawing. However, the thing to which the requirements for software read a requirements document and for which the functional semantics differs and it is strictly specified using a drawing for every man is impossible.

[0730] It generated from the time of making it recognize noting that requirements are establishable to a computer user, and the maintenance technical problem of modern software and the contemporary development technical problem of software represented with a year 2000 problem have ******ed , potentiality-izing.

[0731] The present software commercial scene has ******ed and stagnated from the badness of productivity. Although the software commercial scene conventional by the spread of Lyee(s) will be compressed into 1/dozens, it will be parallel to it, the situation of stagnation will be removed, and the new software commercial scene based on the thought of Lyee will be brewed. If the latency of a software commercial scene is taken into consideration, the market size should exceed the present condition far on the contrary by this invention being applied.

[0732] (L) A phenomenon which will be astonished if the application principle of this invention is caught correctly and employed appears.

[0733] This invention applied the internal structure theory of the existence recognized the theoretical stanchion of this invention to the field of production of software. It is in charge of this application, and extraordinary effectiveness is acquired by having invented using a parameter called a word.

[0734] If this, i.e., another parameter, is invented and the internal structure theory of previous existence is applied using it, possibility of being connected with invention which is beyond in imagination will be suggested.

[0735]

[The detail of the description of the principle concerning this invention] (1) The following is mentioned as an effective description of a scenario function.

[0736] ** There is no **** need about the program for the value of data, and the validity check between data.

[0737] ** There is no **** need about the program for procedure.

[0738] ** The design of the external specification for a programming is unnecessary.

[0739] ** If only the program corresponding to the word belonging to a screen, a curtain table, and a file is performed, the internal program needed with the conventional method will be created structurally.

[0740] ** The program corresponding to the word belonging to a screen, a curtain table, and a file can be created with a mechanical algorithm.

[0741] ** A scenario function will substitute for the conventional design.

[0742] ** Logic destruction cannot arise in the program determined with a scenario function.

[0743] ** A scenario function is applicable to all software.

[0744] ** The portability of the software determined with a scenario function is 100%.

[0745] Drawing 71 is drawing showing the relation between a scenario function and a program.

[0746] (2) the base -- the present condition is that the easy way of thinking the components-ized method which customizes a template about logic presupposes that a productivity technical problem is conquerable of the way of thinking is rampant at a regrettable thing. Such a components-ized method cannot be managed with customize, but destroys the template itself as a result, and toward classification-infinitation, the process itself also complicates the composite method and it cannot improve productivity as a result. It can point out also about the way of thinking and package-izing whose same thing extends a platform.

[0747] Although an important thing is forming the template which does not cause such a problem, it can be said that the structure is not what can be found out however it may accumulate experience. Unlike the case of a physical structure, the structure of software is not decided by the rule of thumb, and it is thought that there is no approach besides being materialized in a theoretical rule. The program paradigm of LYEE extracted theoretically becomes two kinds of **, and the simple mechanical algorithm of a non-process can determine the part and the contents of the customize. And in any cases, the structure is not destroyed. So, the template of LYEE can also be regarded as an ultimate object. two kinds of templates -- " -- the base -- it is the vector which is called logic" and is essentially materialized only in computer space.

[0748] drawing 72 -- the base -- it is drawing explaining the role of logic, and the role of an operation element.

[0749] the base -- logic is equipped with the following descriptions.

[0750] 1. the five bases per word -- form significance in logic.

[0751] the 2.5 bases -- logic consists of two phase elements and three logical elements.

[0752] 3. The operation of those other than the significance of a word uses an operation element.

[0753] A logical element is a vector which forms significance in a word.

[0754] drawing 73 and drawing 74 -- the base -- it is drawing showing the

correspondence relation between the flow chart of logic, and a source program.

[0755] it explained in full detail with "structure of semantics" -- as -- one word -- receiving -- as follows -- the base -- logic is arranged.

[0756] "The logical element which forms significance" (it is henceforth described as "L2".) is first arranged to W02 pallet.

[0757] Next, "the logical element which forms significance" (it is henceforth described as "L3".) is arranged to W03 pallet.

[0758] Next, "the logical element which forms significance" (it is henceforth described as "L4".) is arranged to W04 pallet.

[0759] Furthermore, the phase element (it is henceforth described as "Y3".) which combines the significance of L2 and L3 is arranged on W03 pallet.

[0760] Next, the phase element (it is henceforth described as "Y4".) which combines the significance of L2 or L3 and the significance of L4 is arranged on W04 pallet.

[0761] When each pallet moves according to a processing path, it makes significance but materialized in the word as "Y4, L4", "L2", and "Y3, L3" have only been arranged when arranged at each pallet.

[0762] About a logical element, -> line shows the logical element which projected the shadow of the word from the word to each pallet, and -> line is a line which a logical element also moves [line] and forms significance in a word, when each pallet moves.

[0763] The significance of that word will exist in the place at which this three significance was written by the line and three lines crossed. From this, it is translated into English with "Homogeneity-Vector."

[0764] A phase element is a vector which combines the significance of a logical element. The method of association takes the approach of using the significance of L2 by L3, and using the significance of L3 by L4. For this reason, three have copied the contents to the area of that word of W03 pallet from the area of that word ofWY02 pallet. Four have copied the contents to the area of the word of W04 pallet from the area of the word ofWY02 pallet or W03 pallet. It is translated into English with "Duplicate-Vector" from this. the base -- logic has the form expressed with a flow chart as shown by drawing 75. if it is the computer language which can code this "form expressed with the flow chart" -- what kind of language -- the base -- logic is applicable.

[0765] Moreover, the form shown with the same flow chart with any words is taken. Only "the addresses of the word area in each pallet which carries out a phase of a different place for every word" is [element / phase] "an attribute check, self-generation, edit and a display", and an "abortive message" about a logical element.

[0766] it is shown also in drawing 76 thru/or drawing 77 -- as -- the base -- the principle

referred to as "negative affirmation is removed" is contained in the processing flow chart of logic. "Negative affirmation" means that it is contradictory as "significance exists", saying, "Significance does not exist." For example, although any conflict cannot be found in relation of ""YES"·>"YES"·> "YES"", relation of ""NO"·>"NO"·> "NO"", and relation of ""YES"·> "NO"" when relation of the judgment mark of drawing 76 thru/or drawing 77 is written, relation of ""NO"·> "YES"" has conflict. Thus, the part with conflict is removed.

[0767] As a result of such an activity, three pieces are done by the judgment mark and four forms are done by the outlet. This is the original form of a logical element.

[0768] the base ·· logic is treating "significance of a word." the base arranged at each pallet ·· it is as follows when logic is performed.

[0769] First, the data area of a word is secured to "1:1" corresponding to a screen word. Supposing there is an operation from a screen now, W02 logical element performs an attribute check, W03 phase element carries out a phase to W03 word area, W03 logical element performs self-generation, W04 phase element will carry out a phase to W04 word area, and W04 logical element will perform edit and a display.

[0770] It considers per "empty" concept here.

[0771] the base ·· the flow chart of logic, especially the flow chart of a logical element are flow charts which form significance in a word. On the flow chart of a logical element, an attribute check, self-generation, and edit and a display are performed, when a decision mark (<>) is "YES." Therefore, it can be said that "empty" is the execution condition of a "attribute check", "self-generation", and "edit and a display" on a flow chart.

[0772] On the other hand, a logical element is an element (flow chart) which forms significance in a word. Therefore, "empty" has played the role which distinguishes whether significance exists in a word. Three logical elements are analyzed [on the basis of "existence of significance"].

[0773] probably, in W02 logical element (L2), (NOT sky ?) is the semantics (? in which significance exists), and (significance does not yet exist.) ·· it is a negative form. That is, it will be found whether a (attribute check) has the value processed in a computer, when it carries out [significance] and the kimono exists.

[0774] next, W03 logical element (L3) ·· setting ·· (empty ?) ·· ** (significance does not yet exist ?) ·· it is the semantics to say, and since significance does not yet exist, (self-generation) is an operation which self-generation is performed [operation] and forms significance.

[0775] moreover, W04 logical element (L4) ·· setting ·· (NOT sky ?) ·· ** (? in which significance already exists) ·· it is the semantics to say, and (edit and a display) are

operations which perform edit and a display and are displayed on the purpose events, such as a screen, when significance has already existed.

[0776] Drawing 78 thru/or drawing 82 are drawings for expressing the empty implementation approach.

[0777] As shown in this drawing, there are usually two kinds of approaches of expressing "empty" in a computer.

[0778] One uses first "there are no data." Specifically, in the case of COBOL, a :attribute = alphabetic character (=LOWVALUE), (=SPACE), an attribute = figure (=LOWVALUE), etc. are used (= 0).

[0779] In the case of C: Use data length (= 0) etc. regardless of an attribute (= NULL).

[0780] In Visual-Basic, : (="") etc. is used.

[0781] Some data are contained from the first, and that may show "there are no data." For example, if "//" considers as initial value at the time of the date input, considering as (= "//") is appropriate to "empty."

[0782] Another is the approach of using "he being oneself ?."

[0783] Significance may be unable to be distinguished by "existence" of data. In such a case, it sees in the word outputted especially mostly. For example, when searching for the significance of the word in a formula, although self-generation is performed according to the flow chart of W03 logical element since no values are contained in the word, if count of the 1st time becomes "There are no data", since data already exist, 2nd count will be performed. Even if data are in self and there is nothing, it can be made to calculate by supposing "he is oneself ?" "empty", when such. Therefore, suppose that it considers as itself in such a case.

[0784] next, the base -- logic is considered per [which presupposes that it is an endpoint doctrine a body present **** thing] point.

[0785] the base for every word -- only significance of the word is targetted for logic. Specifically, the contents of the word arranged at phase element:each pallet are copied to the address of the word with same another pallet.

[0786] logical element: -- attribute check: -- the attribute of the word is checked.

[0787] : Self-generation : Significance (value) is set to the word.

[0788] : Edit and display : Edit and a display of the word are performed.

[0789] thus, the base -- it is called "endpoint doctrine" to see from logic and to treat the significance of only one's word, and the thing of its word is called "endpoint."

[0790] Moreover, the thing of the word referred to in self-generation assignment is called "starting point." For example, when self-generation of A word is described to be (A=B+C), it means that it had specified the starting point word. In this case, starting

point words are B and C. Moreover, supposing it is obtained by using as a key the word "D" for self-generation of A word, reading DataBase as another example, and referring to the word "E" in DataBase, starting point words are D and E.

[0791] clear from the above explanation -- as -- the base -- logic consists of endpoint doctrines and it can be said that it has become independent from treating only the significance of one's word.

[0792] However, don't describe an attribute check, self-generation, and edit and a display about other words. It is because synchronous structure will collapse when other words are described.

[0793] although there is this guarantee that has become independent -- therefore, the base -- it can be said that it is carrying out "becoming independent completely" of the logic. that is, the base of a self-word -- the base of the word of others [logic] -- logic -- effect -- not giving -- the base of a self-word -- the base of the word of others [logic] -- I hear that it is not influenced by logic and it is.

[0794] "-- the base -- logic is full independence -- " -- ** -- saying demonstrates power in the scene of the correction in the middle of development, and information-system maintenance. If correction of a screen and a document is set as a screen and a document express a mere set and its mere ****, it can be concluded "To be only an addition and deletion of a word." because, the base -- even if logic is full independence, it adds it for every word and it deletes -- the base of other words -- since logic is not affected -- it is -- an addition and deletion of the word to a screen and a document -- the base of an object word -- it is because what is necessary is just to set with an addition and deletion of logic.

[0795] in this case, correction of a screen and a document -- an addition and deletion of a word -- it is -- the base of an applicable word -- they are an addition and deletion of logic.

[0796] Each pallet on the processing line route map created based on the screen and the document since this was guaranteed, the word which will satisfy a processing path if the operation element which determines a processing path is arranged, and does not determine the processing path of a screen and a document -- after -- you may arrange -- each pallet -- word area and the base -- also after arranging logic, addition and deletion can be performed freely, and the guarantee which does not affect others can be obtained.

[0797] Drawing 83 is drawing for explaining this point.

[0798] As shown in this drawing, however the word which determines a processing path among the words of a commission place information registration screen may transpose a word besides activation, F3, and input classification, in commission place information registration, it will generate no problem. However, DataBase to treat is influenced.

[0799] Next, the "attribute check" in W02 logical element (L2) is considered. W02 logical

element judges "whether it can receive" about the word which has already had significance. "Acceptance" in this case is whether there is any value processed in a computer, and the semantics ?. Therefore, a "attribute check" can be considered "The attribute as the definition was only given as a word attribute is shown, or it checks ?."

[0800] An attribute means the contents of the attribute definition of extent of **.

[0801] There is an attribute which it has peculiar to a word in others. For example, it is expressed with the date, a code with a check digit, etc. Since these are the attributes which can be distinguished by the data independent of the word, they decide to distinguish in a "attribute check."

[0802] It is possible that it was the conventional approach generally that it is going to perform a "attribute check" by other words and the comparison with other events. However, shall not perform other words and the comparison with other events by any means with a "attribute check." for example, it exists in DataBase -- it is -- when the contents of other words indicate the specific contents to be ?, it is supposing that it is effective etc. In short, it is seeing "whether the contents of data are effective." A logical element treats significance to the last.

[0803] When other words and the comparison (is it effective in a man, business, and a scene?) with other events are performed with a "attribute check", there will be no limits. The element only treating the significance of the word will tell eye backlash have treated other significance that the value as a logical element is lost.

[0804] When there is the need of surely performing "whether it being effective in a man, business, and a scene", the "operation element" mentioned later is prepared.

[0805] Although a "attribute check" works effectively about the word to input, there is no value of performing a "attribute check" about another side and the word to output. How to perform a "attribute check" can be said that there is nothing rather than it says. The word which serves as both input/output can be said to be equivalent to an input word about a "attribute check."

[0806] Next, it "self-generation" per [in W03 logical element (L3)] considers.

[0807] W03 logical element serves to form significance about the word in which significance does not yet exist. Therefore, "self-generation" is an operation which forms significance.

[0808] "Self-generation" is made into the contents of a self-word with reference to the contents of a word besides reference: by business applications.

[0809] (Other words are "the word of the screen and document in the same range of synchronization", and "a word of Data-Base and File".)

It calculates with reference to the contents of a word besides count:, and a result is

made into the contents of a self-word.

[0810] (Other words are "the word of the screen and document in the same range of synchronization", and "a word of Data-Base and File".)

There are only two kinds of **. It can be said in practice that the percentage is :20% to which self-generation is calculated :80% to which self-generation is referred to in general.

[0811] According to conditions, case [like "the words to refer to differ" and "formulas differing"], I think that two or more significance exists in an applicable word (result of having expressed two or more words with one word in fact). This means that there is what originally "formation of significance carries out and a way changes with conditions" in it although it is not simultaneous in "the word which should have only one significance." When two or more significance exists in coincidence, the word cannot already say it as the word defined by this invention.

[0812] "Self-generation" is an operation which forms significance in a word, and the operation which forms significance is the figure in which one is desirable. It is equal to "two or more self-generation existing according to conditions", saying "two or more operations which form significance according to conditions exist."

[0813] It is as follows when self-generation is described simply. Originally conditional statement is not the contents of self-generation but the execution condition of self-generation. Depending on a word, self-generation can become more complicated. For example, If conditions 1 Then self-generation 1End IfIf conditions 2 Then self-generation 2End IfIf conditions 3 Then self-generation 3End A case like If is so.

[0814] However, generally every word can say that "self-generation" is simple.

[0815] Although "self-generation" of **** simple originally becomes complicated, it is thought that there are three kinds of causes as follows. namely, 1. -- since "self-generation" simple from the first was complicated freely.

[0816] 2. Although it is not coincidence, since two or more significance exists in the word. : (Word of plurality in fact) It is 10% or less of ratio among [all] a word in practice.

[0817] 3. Since two or more operations to "self-generation" which processing path specifies exist. It is decided to be ["many"] and "to be few" by this processing path that suits a place.

[0818] In practice, ""self-generation" simple from the first was complicated freely" is considered [most / at the beginning].

[0819] By the way, although a "endpoint doctrine" is "forming significance only in an endpoint word (self-word)", when it sees from the position of self-generation assignment, it returns to "with what he does self-generation any", and is equal to "seeing a starting

point word from an endpoint word." It is because it will not be a problem for what is necessary to be just to be able to form significance in an endpoint word, and to satisfy a function "alpha" combining a word if it becomes what.

[0820] For example, if the word of N individual exists, W03 logical element will also recognize N individual existence. Assignment of the self-generation of W03 logical element which recognizes N individual existence surely describes the relation of a "endpoint word -> starting point word" like reference and count. Although consciousness has not been carried out at all, it becomes the same thing as having specified all word relation.

[0821] If only self-generation of all words is collected and "relation of an endpoint word -> starting point word" is made, the association table of all words can be obtained. For example, endpoint word -> starting point word (endpoint word) -> starting point word (endpoint word) -> .. At a logical element execution-time point, it will work to the reverse sense and will perform at a "endpoint word <- starting point word" and the self-generation appointed time. Moreover, an endpoint word -> endpoint word (starting point word) -> endpoint word (starting point word) -> since the thing which had .. and word relation specified is performed by the reverse sense and the endpoint word is carrying out self-generation using "the self-generation result of a starting point word", the self-generation result of a starting point word will be substituted for an endpoint word through self-generation of an endpoint word one after another. All word relation in the same range of synchronization is performed by the result. For example, seven words, A, B, C, D, E, F, and G, exist, and if self-generation is abstracted and expressed by endpoint -> (starting point), it will become like drawing 84.

[0822] LYEE creates system logic only from the information for example, on a screen and a curtain table as mentioned above. It can be said that it is the very new theoretical technique which determines requirements and a program as coincidence. In the conventional way, if the productivity of only coding after program specification is made is caught, for example, it becomes about 500 lines per man-day, and this will be set and changed to the productivity per [which was about seen through the stroke] man month. In LYEE, if the screen and the curtain table are defined, full open fit business serves as rating of only the conventional coding, and does not need a design and a test. Even if two or more significance exists in the word, "self-generation" is simplified by making it "be the significance which exists in coincidence One", and maintenance is made easy.

[0823] (3) When TOOL of this invention LYEE is used about a tool, an automatic decision of the 90% of a program will be made at an electric rate only from the information on a screen and a curtain table. So, the productivity of 500 lines per

man-day of an upper example, then its coding should be turned only to the activity with which 10% outside automation is filled in the productivity of coding. If it says by the former from the result of the LYEE theory even by the activity, an activity is able to manage the same level as the situation that program specification has already existed. Consequently, the productivity of the part becomes 1 man month 10,000 lines (500x 20 days), and this is converted into the conventional productivity of 100,000 lines (10,000line/ 10%), and it will be called 200 times if compared with 1 man month conventional 500 lines.

[0824] (4) Since it is the minimum component and its structure at the design and manufacture start time and they are already clear in a field called production of the structure represented by manufacture of a vehicle about the program, it can be said that the efficiency of the development is shining. Also although it is called software, if the program structure is not established by the strictness of 1 step level at the design or manufacture start time, it can be said that efficient design and manufacture cannot be achieved.

[0825] The structure of the software (sigmaPi) of the whole system where even the structure of after completion is unfixed, and grouping of the program (Pi) of a conventional method was naturally carried out also serves as an indeterminate. In the conventional method which cannot but be in the condition of an indeterminate, it must be said that it is impossible to ask for an improvement of the technical problem concerning software.

[0826] On the other hand, since the structure of the program (T10) of this invention LYEE is theoretically decided by the strictness of 1 step level before development, design manufacture improves revolutionarily.

[0827] If it returns, also as follows, it can say. That is, the conventional method was not able to utilize a software's existence principle, in order to perform a functional definition with self. Consequently, a dependency is produced in requirements and a source program, the dependency also cannot but serve as self and the functional element of the following [form / a function] cannot but become indispensable with self.

[0828] (1) indispensable-izing of performing-by considering [as the branch condition of a procedure]-using procedure-ized (2) data value of processing (3) data-coupling, and logical combination-functional partition (4) check logic -- this invention LYEE will use the synchronous element (Li) which forms only one significance to computer space and which was determined theoretically to this.

[0829] (5) The following is mentioned as a description of a synchronous element.

[0830] 1. Set and replace a source program with the set of a synchronous element at a

requirements list.

[0831] 2. Grouping of the synchronous element is carried out and it serves as a unit of the set.

[0832] 3. Since the aggregate with a unit can form existence in the unit, both the requirements and source programs that were caught by LYEE become independent.

[0833] By this invention, the structure of software can consider finishing [decision] already by the strictness of 1 step level by making these things into basis before development.

[0834] (6) Significance in natural space is phenomenon-ized as a function about significance. It can be divided into a data factor and a logical factor, and the structure is called [both] a natural chain. being careful ·· even if we can create reason-ization of a data factor, I hear that we cannot form reason-ization of a logical factor, and it has them.

[0835] If it puts in another way, I hear that it is important for the significance in natural space that you make it materialized only in a data factor, and it has it. If association of only a data value can define a function, it will be called an ideal phenomenon-ized method.

[0836] the base of this invention LYEE ·· since the process is minimum-ized, logic serves as a data factor in approximation, and as for the synchronous structure of LYEE, a function is created based on it. The number of functions corresponds to the number of boxes of the conventional flow chart. And N, then data factor association serve as a cube of 4*N in the number of words.

[0837] For example, usually becoming the system of 1 million lines by about 2000 words at the former can create the about 8000 times as many box as this with the synchronous structure of LYEE but usually.

[0838] (7) The theory of related this invention Lyee of the function in a ****** type catches the structure of existence by the particle of semantics. The particle of semantics is explained with dozens of concepts focusing on concepts, such as a synchronization and a unit, in relation with us. Relation with the logical factor (a synchronous equation, a chain equation, reduction equation) used as the consciousness space and recognition space which the particle constitutes, and our consciousness has mainly focused here.

[0839] (8) Although it will be called the formula which caught the depths of the consciousness about software if a deep structure scenario function is investigated thoroughly and it says, the formula used as the pattern is shown below. Namely, Wi-phi Y2 i=phi (L2i+(L3i+Y3i)+ (L4i+Y4i))

As for a scenario function, the right-hand side is guided at least for the left part of this formula to the phase-rule nature T by the pallet. namely, T=phi ·1

(sigmakL2i+sigmam(Y3i+L3i) +sigmak (Y4i+L4i)) the base -- a data factor, a logical factor, and W are called a consciousness chain for L and Y which are called logic to a forward type.

[0840] (9) Although Empty LYEE is the theory which the smallest unit of existence presupposes it is the concept called the chain to which the proposition and solution of the semantics which has the property called the "empty" instead of an elementary particle are used as an unit element, that by which the chain was embodied by the algorithm is a data factor.

[0841] Although the algorithm is surely inquired as "empty ?", it originates in that it must be empty in order to call a "modality" the element which forms a chain by the elementary particle of semantics and for the modality to form a chain and grouping. Empty is the indispensable conditions for unit-izing semantics.

[0842] An empty definition is set to Mr. v as follows. that is, Ei, then the semantics of the infinite set become Modality Ei and equivalence belonging to the set about a modality -- sigmainfinityEi=Ej will be materialized if it becomes -- if it becomes, suppose at Modality Ej that empty is materialized. When it is not an infinite set, it becomes a concept of a "unit." The already described pallet is a concept which forms a unit.

[0843] Incidentally, although a hydrogen atom is made into the path of the 8th power centimeter of minus of 10 on the average, according to the theory of LYEE concerning this invention, it is considered to **** of being materialized from tens of thousands of chains. Moreover, the velocity of light is considered as it is rocking slightly, although it considers as the natural constant.

[0844] Although the assumption of the modality is carried out as an elementary particle of semantics, it can be said that the group structure is what expresses the very interesting description that it mentioned above.

[0845] (10) the path which forms the significance of a processing line route map word -- a processing path, and a call and a processing path -- "-- three kinds of pallets, W02, W03, and W04, -- using -- " -- what was displayed is called processing line route map.

[0846] A processing line route map can be called what described "the class of operation which people direct", and "the sequence of a pallet which it is at the operation time and moves." the inside of the pallet with which the processing line route map was described there -- the word of a screen -- being related -- the data area of a word, and the base -- if logic is arranged, by performing the processing path the arranged word was described to be, significance will be formed and the result will be displayed on a screen. In the semantics of the path which forms significance in a word, a processing path can also be called synchronous path. When a reverse view is carried out, words other than the

combination of a function key, a carbon button, etc. to which menu manipulation is urged among the words on the operation which determines a processing path, i.e., a screen, and live data make significance materialized in the processing path described whatever it might have arranged. Describing a processing line route map is grasping the requirements for processing, and this means that the requirements for processing can be grasped only with the word in a screen and a screen regardless of business.

[0847] The significance of a word is materialized as a result of connecting the significance of the word which "W02 logical element, W03 logical element, and W04 logical element" form. No matter this structure may be what word, it is the same. It arranges each one logical element which forms significance in a word on W02, W03, and W04 each pallet, and two phase elements which combine the significance of each logical element materialized when it moves in a computer are arranged. The element accompanied by a motion is not contained in the logical element and the phase element. Significance is made materialized when it performs in a computer. It is the following synchronous structure which carried out the work which two or more words exist in a screen and a document, and treats two or more words in a computer.

[0848] One pallet chain function is prepared for the operating system (OS) of a computer, and development language. A pallet chain function plays W04, W02, and the role that starts W03 each pallet in order. in order to treat two or more words ·· W04, W02, and W03 each pallet ·· the base for every word ·· logic is arranged as shown in front drawing. each pallet ·· the base for every word ·· logic ·· arranging ·· the base ·· it can be called the vessel which performs logic. the base by which each pallet has been arranged ·· a phase element and a logical element are performed in the order which had logic arranged. Although it is the translation which performs the phase element for two or more words, and a logical element collectively, if it sees for every word, it can be said that it performs in order of W02 logical element, W03 phase element, W03 logical element, W04 phase element, and W04 logical element.

[0849] As these results, significance will be materialized in a word. Furthermore the set of a word bundles the result, and it comes out, and displays on a certain screen. At this time, it is sensed that data needed were displayed (human being who looks at a screen). In significance being materialized in a word, since the screen was displayed, there is never nothing.

[0850] Next, the relation between a screen and a pallet is explained.

[0851] As what specified **** of a screen word, W02 pallet which takes charge of input and an attribute check, and W04 pallet which takes charge of edit and output are formed for every screen. therefore, the base corresponding to the word area

corresponding to a screen word in W02 pallet and W04 pallet, and a word -- logic is arranged. All the words treated by the system are arranged on W03 pallet. DataBase of the system and the word of File are also arranged on W03 pallet. The word of the system makes significance materialized by W03 pallet.

[0852] Next, the relation of each pallet is explained.

[0853] A receipt and an attribute are checked for the word of a screen by W02 pallet. A screen word and the word of DataBase and File form significance by W03 pallet. W04 pallet chooses the word displayed on a screen from the words of W03 pallet, and displays it on a screen. W02 and W04 pallet consist of need of specifying **** of a word beforehand, with the word in a screen and a screen.

[0854] Next, a processing line route map is explained.
 [0855] If only one screen becomes and W02 pallet (W02 logical element) corresponding to the screen, W03 pallet (a phase element, W03 logical element), and W04 pallet (a phase element, W04 logical element) corresponding to the screen will be moved, possibility of acquiring the significance of a screen word and obtaining satisfaction of those who look at a screen by the set (a display bundling) of a word cannot be denied, either. However, reality has two or more screens, it is operating two or more screens, and it is thought that the contents of the word which people satisfy are acquired. Moreover, the contents which perform some actuation and are displayed on a screen even if it is one screen are seen or operated, the contents again displayed on a screen are seen, and it thinks [acquiring the contents repeat actuation to flume ****** several times, and people are satisfied with it of contents in many cases, and]. In such a case, as shown in front drawing, knowing how I may process only by putting a screen and a pallet in order is not continued.

[0856] Then, it is made for the method of actual description to be the following.

[0857] 1. Describe a processing path using three kinds of pallets, W02, W03, and W04. The role of each pallet is as indicating below.

[0858] - W02 pallet is a pallet which checks the attribute of reception and a word for the contents of a word of the object screen made into the purpose.

[0859] - W03 pallet is a pallet which forms significance in the word treated by the system.

[0860] - W04 pallet is a pallet which chooses, edits and outputs only the word of the object screen which targets significance materialized by W03 pallet.

[0861] 2. A pair describes W04 pallet and W02 pallet. If it becomes what, A:W04 pallet will move and a screen will be displayed.

[0862] B: Operate it by judging by people looking at the displayed screen.

[0863] C: W02 pallet receives an actuation result.

[0864] It is because it can say that three ** unify and it is between W04 pallet and W02 pallet about a screen.

[0865] 3. Describe in a screen the operation which people direct. the computer after this inputs data to a word -- what -- carry out -- when directing, it means describing the "carbon button" used, a "function key", etc.

[0866] 4. Before describing a path processing Fig., it is necessary to show clearly what kind of operation there is. The sequence of an activity steps on the following steps.

[0867] A. Decide it to be the screen what kind of "word" to exist.

[0868] B. "The word which shows an operation" determines either among the words which exist in the screen. In this case, operations are contents which direct "to carry out something" to a computer. The word which denotes an operation is not restricted in one, but usually exist. [two or more] The operation may be directed in the combination of two or more words.

[0869] C. The operation decides what is directed to the computer.

[0870] In addition, the operation which determines a processing path wants to check only the contents of a word of A. screen.

[0871] B. I want to be intermingled with the past contents of storage and to check the contents of a word of a screen.

[0872] It can divide roughly into ******.

[0873] 5. Make it description of the processing path for every class of operation be the following.

[0874] A. If it is only the contents of a word of a screen to check only the contents of a word of a screen, the significance of a screen word can be formed by moving only the pallet of W04 and W02 pair. The actuation as the basis is considered as follows.

[0875] - W04 pallet moves, and a screen is outputted and direct the contents of an operation to a computer by the result of having operated the screen.

[0876] - If directed, W02 pallet will move and the attribute of reception and a word will be checked for the contents of a word of a screen.

[0877] - W04 pallet runs by specifying the pallet which moves by the operation element of W02 pallet to the degree of W02 pallet as W04 pallet.

[0878] - W04 pallet edits the contents of a word of the screen received by W02 pallet, and displays them on a screen.

[0879] - Describe the operation directed on the right of W02 pallet, and understand "whether it is at the time of what kind of operation."

[0880] Description of an operation describes a "word name", when having opted for the

operation only with one word. When opting for an operation in the combination of two or more words, all applicable words are described like "word name + word name ..." Since the operation at this time is the combination of a word, it is prepared as a "operation element." For the reason, let description to a processing line route map be "P:word name + word name ..."

[0881] B. With reference to DataBase, File, etc., the significance of a word can be formed as past contents of storage to be intermingled with the past contents of storage and check the contents of a word of a screen. Moreover, the contents of the word in which significance was materialized can also be made to memorize. The actuation as the basis is as follows.

[0882] · W04 pallet moves, and a screen is outputted and direct the contents of an operation to a computer by the result of having operated the screen.

[0883] · If directed, W02 pallet will move and the attribute of reception and a word will be checked for the contents of a word of a screen.

[0884] · W03 pallet runs by specifying the pallet which moves by the operation element of W02 pallet to the degree of W02 pallet as W03 pallet.

[0885] · Form the significance of a word with reference to the contents of the past storage (DataBase, File) by W03 pallet in addition to the contents of a word of the screen received by W02 pallet.

[0886] · W04 pallet runs by specifying the pallet which moves by the operation element of W03 pallet to the degree of W03 pallet as W04 pallet.

[0887] · W04 pallet chooses and edits only the word of a screen among the words arranged in W03 pallet, and displays it on a screen.

[0888] 6. Although it is two kinds it was explained that divided roughly the class of operation which determines a processing path, if it sees finely, exist partly (5.). the inside of the class of general operation mentioned previously -- "-- A. -- I want to check only the word of a screen -- " -- I want to check to a case only the contents inputted to · screen

[0889] · I want to carry out clear [of the contents of the screen].

[0890] · I want to want to return to Menu or to end business to it.

[0891] ** -- there is a fine operation.

[0892] moreover -- "-- B. -- I want to be intermingled with the past storage and to check the contents of the screen -- " -- I want to check the contents of the significance of a screen word with reference to ·DataBase and File to a case

[0893] · DataBase and File want to memorize the significance of the materialized word.

[0894] · I want to change the contents of DataBase and File by the significance of the

materialized word.

[0895] - I want to delete the contents of DataBase and File using the significance of the materialized word.

[0896] - others -- I want to change on a screen

[0897] - others -- I want to direct business

[0898] ** -- there is a fine operation. Thus, some operations exist and what the operation is directing or which word denotes the operation change with screens. Since an operation of each is another operation, it distinguishes and specifies the path of an operation. Conversely, if it says, it will be made to become "the processing path generated in coincidence is surely one."

[0899] When many operations exist, as shown in front drawing, in the form of branching from W02 pallet and branching from W03 pallet describes.

[0900] When it changes on other screens, the screen of a transition place determines the processing path of a transition place. Moreover, when returning from a transition place to an applicable screen, it surely returns to W04 pallet.

[0901] 7. When treating two or more screens, connect the processing path for every screen according to screen transition. It explains taking the case of the case where the Lyee initial screen which shows this point to drawing 85, the operating Menu screen which shows drawing 86, and each screen corresponding to the business Menu which shows drawing 87 are treated. Drawing 88 is a processing line route map in the case of advancing processing to each screen corresponding to an operating menu from an initial screen and an operating menu screen.

[0902] If I have an indispensable input of a personnel code, a password, and the section code carried out and an Enter key is pushed by the Lyee initial screen as shown in this drawing, an asset-management menu will come out. If a section code is succeeded from an initial screen, chooses a menu number (human being), and inputs into a parameter and an Enter key is pushed, each screen will come out.

[0903] For example, in order to choose commission place information registration of No. 10 (an operator), supposing it inputs "10" into a parameter and pushes an Enter key, a commission place information registration screen will come out.

[0904] Drawing 88 is a processing line route map in the case of commission place information registration business.

[0905] As shown in this drawing, it chooses and inputs performing input classification from now on out of 1:new registration, 2:correction, 3:deletion, and 4: reference. At the time of reference, if a commission place code is inputted and an Enter key is pushed, the name of a commission place can be referred to. DataBase to be used is commission place

information (ID=F100PF).

[0906] A processing line route map comes to be shown in front drawing.

[0907] As shown in this drawing, when there is a processing line route map of an initial screen and an Enter key is pushed, if the data input is carried out to the personnel code, the password, and the section code, it will change on an asset-management menu.

[0908] With an asset-management menu, there is a processing line route map of an asset-management menu, and if a menu number is chosen, it is inputted into a parameter and an Enter key is pushed, it will change on a selection screen.

[0909] When connecting a processing line route map, branching is allowed only by W02 pallet or W03 pallet. When returning, it is the principle of "being to the right from the left to the top from under : which returns to W04 pallet", and a path is described to a clock and the sense in the circumference of reverse. When a path branches and the processing line route map for every screen is connected by the operation, it describes from the right from a top to the bottom on the left. When it cannot describe on one sheet of paper, a transition place is specified by the connector.

[0910] Drawing 89 is a processing line route map in the case of a commission place information registration screen.

[0911] As shown in this drawing, the information on From is specified that it should be made clear where it changed on the commission place information registration screen from. In this example, it is an asset-management menu.

[0912] It is the information to which only the word in a screen and a screen is given. Then, "an operation" and the "contents of directions of an operation" are found from the given information. The hearing of the menu manipulation may be carried out depending on a situation, and the contents of directions of an operation and an operation may be found. Menu manipulation may be checked after describing a processing line route map.

[0913] An operation is faithfully found in the word in a screen and a screen. It does not carry out making a guess and a selfish operation. "Activation:continuation" and "F3: Return" show actuation of a screen among the words in a screen. directing the contents of the operation -- "input classification" -- "-- activation: -- it is the combination of continuation."

[0914] Input classification = since 1 (new registration), 2 (correction), and 3 (deletion) are the operations to commission place information, they turn an arrow head to the direction of commission place information. Even if the sense of the arrow head to commission place information is the same, a processing path is classified and specified by that of "the contents of an operation differ." Since input classification 4= is reference from commission place information, an arrow head is carried out from commission place

information. Since it cannot say that "the operation" was directed when there is no input in input classification or numbers other than 1, 2, 3, and 4 are inputted, it returns to W04 pallet.

[0915] Next, the directions to a pallet chain function are performed.

[0916] It can say that a pallet chain function is the parent program of the Lyee program structure concerning this invention, and three kinds of pallets, W02, W03, and W04, are moved according to the contents by which it is directed from each pallet. The contents of the operation which each pallet directs are operation elements which specify a processing path.

[0917] As a word group, it is described as "continuation or new" in the processing line route map. That to which a pallet chain function carries out clear [of the data area of each pallet which is in a range of synchronization with "it is new"], and "continuation" carry out no pallet chain functions about the data area of each pallet in a range of synchronization.

[0918] Next, the pallet ID started to Screen ID to display and a degree is displayed on a processing line route map by a diagram, and specifies continuation and a new distinction by means of language.

[0919] The operation element concerning a processing path is specified in a processing line route map. Various kinds of things come out of an operation element by the scene, the computing environment, and the operating demand which apply Lyee. When the operation element which recognizes various existence acts, and a processing path changes as a result of an operation, it surely shows clearly in a processing line route map.

[0920] For example, it is necessary to classify assignment at the time of failure, and when it Write(s) to DataBase and File, it is a "continuation:degree pallet", and it is the "new:following pallet" at the time of formation, and it needs to describe it two paths.

[0921] The basic processing path of forming significance in a word is that W02 pallet, W03 pallet, and W04 pallet move in order.

[0922] When the condition of having actually moved the pallet is described, all motions will be described by how many times it changes it moves on a screen besides how many times, and there will be no limits. It says what pallet a processing line route map moves to the degree to which a certain pallet moved, and enables it to describe briefly by describing the not a condition but condition of having stood it still "which moved [which expressed the chain of a processing path by the quiescent state] by describing the sequence that three kinds of pallets, W02, W03, and W04, move."

[0923] A pallet chain function performs actually moving a pallet according to "the pallet

moved to a degree" which each pallet directs. From the need that a screen is displayed first, the description approach is devised, and as shown in a before Fig., it describes in order of "W04, W02, and W03 pallet."

[0924] Thus, a processing line route map can say that the requirements for computer processing have caught all by the quiescent state (that is, all documentation creation activities are completed by describing a processing line route map.). If it returns, the point that the locus which moved the processing path expresses the complexity of operating processing can say [that a processing line route map is just going to mean and].

[0925] the pallet described to the processing line route map after the processing line route map was made -- the data area of the word of an applicable screen, and the base -- if logic is arranged, even if it is a word like the screen throat, significance is formed, and it can display on a screen.

[0926] For example, the example of the processing line route map of the commission place information registration screen hung up over the before Fig. is looked at.

[0927] The words which determine a processing path in this drawing are the combination of "activation and input classification", and "F3: Returning." other words -- the date, time of day, a commission place code, a commission place abbreviated name, a commission place name, an English name, and a message -- it comes out. the data area of these words, and the base -- logic is arranged by 1:1 on W02, W03, and W04 each pallet. As words other than a screen, there is a word of DataBase (commission place information: F100PF). The data area and logical element of a word of DataBase are arranged to W03.

[0928] When the phase element and logical element which have been arranged are performed according to a processing path, a value will be set to the data area of the word arranged at each pallet, and the significance of a word will be materialized.

[0929] If No. 10 of an asset-management menu is chosen and an Enter key is pushed as shown in this drawing, a commission place information registration screen will be displayed. If a commission place code is inputted on a commission place information registration screen, it is referred to as input classification =4 (enquiry) and an Enter key is pushed, it will refer for commission place information and will be displayed on a screen. The contents of a commission place name or other words are changed, and if it is referred to as input classification =2 (correction) and an Enter key is pushed, the contents of correction will be reflected in commission place information. These describe the situation of having performed the path shown by the free line of the following figure. the base arranged in front drawing -- the result by which logic and an operation element

were performed according to the processing path is shown.

[0930] That is, although it is thought that business is performed in this way, a processing line route map can be called only "thing which described the sequence that a pallet moved according to an operation and an operation" instead of a running state. the data area of the word which acquires significance after a processing line route map is decided, and the base -- it can be said that what is necessary is just to arrange logic and an operation element.

[0931] It is based on the above explanation and somethings are considered to be the requirements for operating below.

[0932] Although it was a reason for having seen the screen and having made the processing line route map at first, it was unrelated to describing a processing line route map except the word which denotes an operation. Except the word which denotes an operation, even if it is, it is the reason which could be.

[0933] this point and a screen display the set of a word -- being mere -- an understanding will become easy if it thinks that it bundles and comes out. That is, if the processing line route map of an applicable screen does not change, operating business will not have [in / for any words / a screen] anything there. If it puts in another way, since the target screen is the set of the word displayed on a screen, it will be acquired as a conclusion that sets and **** of a word were the requirements for operating-.

[0934] As mentioned above, since a processing line route map is a path which word each of the screens which are the sets of a word is formed, and displays significance on it on a screen, it becomes what the processing line route map expressed all the requirements for computer processing to. Conversely, when it says, it will be said that the processing line route map has caught all the requirements for computer processing, and should draw only a processing line route map.

[0935] A processing line route map can describe to reliance "an operation" and "the word which denotes an operation." The reason why the information only on that can describe is that it will have described the quiescent state of only the pallet moved to the degree which an operation and an operation direct, without incorporating "complexity of operating processing."

[0936] The complexity of operating processing is considered that the locus to which the processing path moved is shown by considering furthermore. The "man" is directing the processing path and it is because "directions of people" is only considered that it is to have produced "complexity of business." When it moves with directions of people, "complexity of business" is made satisfied even if it does not incorporate "complexity of business" to a processing line route map. Therefore, it becomes possible [substituting

for the complexity of the conventional business completely] to operate in accordance with synchronous structure on a processing line route map.

[0937] For example, it is necessary to classify assignment at the time of failure, and when it Write(s) to DataBase and File, it is a "continuation·degree pallet", and it is the "new·following pallet" at the time of formation, and it needs to describe it two paths.

[0938] The basic processing path of forming significance in a word is that W02 pallet, W03 pallet, and W04 pallet move in order.

[0939] When the condition of having actually moved the pallet is described, all motions will be described by how many times it changes it moves on a screen besides how many times, and there will be no limits. It says what pallet a processing line route map moves to the degree to which a certain pallet moved, and enables it to describe briefly by describing the not a condition but condition of having stood it still "which moved [which expressed the chain of a processing path by the quiescent state] by describing the sequence that three kinds of pallets, W02, W03, and W04, move."

[0940] A pallet chain function performs actually moving a pallet according to "the pallet moved to a degree" which each pallet directs. From the need that a screen is displayed first, the description approach is devised, and as shown in a before Fig., it describes in order of "W04, W02, and W03 pallet."

[0941] Thus, a processing line route map can say that the requirements for computer processing have caught all by the quiescent state (that is, all documentation creation activities are completed by describing a processing line route map.). If it returns, the point that the locus which moved the processing path expresses the complexity of operating processing can say [that a processing line route map is just going to mean and].

[0942] the pallet described to the processing line route map after the processing line route map was made ·· the data area of the word of an applicable screen, and the base ·· if logic is arranged, even if it is a word like the screen throat, significance is formed, and it can display on a screen.

[0943] For example, the example of the processing line route map of the commission place information registration screen hung up over the before Fig. is looked at.

[0944] The words which determine a processing path in this drawing are the combination of "activation and input classification", and "F3: Returning." other words ·· the date, time of day, a commission place code, a commission place abbreviated name, a commission place name, an English name, and a message ·· it comes out. the data area of these words, and the base ·· logic is arranged by 1:1 on W02, W03, and W04 each pallet. As words other than a screen, there is a word of DataBase (commission place

information: F100PF). The data area and logical element of a word of DataBase are arranged to W03.

[0945] When the phase element and logical element which have been arranged are performed according to a processing path, a value will be set to the data area of the word arranged at each pallet, and the significance of a word will be materialized.

[0946] If No. 10 of an asset-management menu is chosen and an Enter key is pushed as shown in this drawing, a commission place information registration screen will be displayed. If a commission place code is inputted on a commission place information registration screen, it is referred to as input classification =4 (enquiry) and an Enter key is pushed, it will refer for commission place information and will be displayed on a screen. The contents of a commission place name or other words are changed, and if it is referred to as input classification =2 (correction) and an Enter key is pushed, the contents of correction will be reflected in commission place information. These describe the situation of having performed the path shown by the free line of the following figure. the base arranged in front drawing -- the result by which logic and an operation element were performed according to the processing path is shown.

[0947] That is, although it is thought that business is performed in this way, a processing line route map can be called only "thing which described the sequence that a pallet moved according to an operation and an operation" instead of a running state. the data area of the word which acquires significance after a processing line route map is decided, and the base -- it can be said that what is necessary is just to arrange logic and an operation element.

[0948] It is based on the above explanation and somethings are considered to be the requirements for operating below.

[0949] Although it was a reason for having seen the screen and having made the processing line route map at first, it was unrelated to describing a processing line route map except the word which denotes an operation. Except the word which denotes an operation, even if it is, it is the reason which could be.

[0950] this point and a screen display the set of a word -- being mere -- an understanding will become easy if it thinks that it bundles and comes out. That is, if the processing line route map of an applicable screen does not change, operating business will not have [in / for any words / a screen] anything there. If it puts in another way, since the target screen is the set of the word displayed on a screen, it will be acquired as a conclusion that sets and **** of a word were the requirements for operating-.

[0951] As mentioned above, since a processing line route map is a path which word each of the screens which are the sets of a word is formed, and displays significance on it on a

screen, it becomes what the processing line route map expressed all the requirements for computer processing to. Conversely, when it says, it will be said that the processing line route map has caught all the requirements for computer processing, and should draw only a processing line route map.

[0952] A processing line route map can describe to reliance "an operation" and "the word which denotes an operation." The reason why the information only on that can describe is that it will have described the quiescent state of only the pallet moved to the degree which an operation and an operation direct, without incorporating "complexity of operating processing."

[0953] The complexity of operating processing is considered that the locus to which the processing path moved is shown by considering furthermore. The "man" is directing the processing path and it is because "directions of people" is only considered that it is to have produced "complexity of business." When it moves with directions of people, "complexity of business" is made satisfied even if it does not incorporate "complexity of business" to a processing line route map. Therefore, it becomes possible [substituting for the complexity of the conventional business completely] to operate in accordance with synchronous structure on a processing line route map.

[0954] Next, the directions of the processing line route map at the time of the system development are considered.

[0955] A processing line route map is mechanically determined according to the word in a screen and a screen. The defect of a screen distinguishes in process of mechanical decision.

[0956] For example, it looks at on the Lyee school participant registration screen shown in drawing 90.

[0957] It is the screen which registers the participant who attended the school, and changes and deletes the contents of registration according to a situation. DataBase is school information.

[0958] At the time of registration, at the time of modification, at the time of deletion, if it inputs respectively and O.K. is pushed, Dialog-Box will come out and will check whether you may perform or not.

[0959] A push on O.K. of Dialog-Box performs registration, modification, and deletion according to directions. A push on Cancel makes nothing.

[0960] According to the word in a screen, if a processing line route map is described obediently, it will become like drawing 91. Although this drawing is visible to a normal processing line route map apparently, when it sees in detail, it turns out that there is no processing path which refers to school information. Furthermore, it also becomes clear

that the Cancel carbon button of a screen has not carried out an operation of what, either. This should add the carbon button which carries out the operation which refers to school information to the word of a screen, and should delete the Cancel carbon button.

[0961] It can be said at the time of the system development that it is best for the client which created the screen and the document to make a processing line route map so that clearly from the above-mentioned explanation. It is because the layout of the screen and document with which the defect of a screen and a document layout was found immediately and with which it was clearly conscious of menu manipulation and a document output can be made if the person who described the screen and the document also makes a processing line route map.

[0962] It is important to make it not carry logic into a screen and a document so that a processing line route map can be described only with the word shown in a screen and a document, and there at coincidence. As logic carried into the screen and the document, it becomes most intelligible that the word for actuation is only added for the person using a screen and a document except "the word that it wants."

[0963] When operations differ in the combination of a manual operation button and the contents of a word especially, the contents of a word should be specified. If not shown clearly, many checks are needed when describing a processing line route map. It will lapse into the panel where those who operate a screen "cannot do actuation unless it learns the method of actuation of a screen at a short course" rather than anything.

[0964] When "those who describes a screen and a document", and "those who describe a processing line route map" must be separated, in order to find the operation which the word in - screen and a document, and there shows, "menu manipulation and the method of document printing" are checked.

[0965] - Clarify an operation.

[0966] - Make a processing line route map.

[0967] - Check "menu manipulation and the method of document printing" again based on a processing line route map, and guarantee that there is no misapprehension.

[0968] Completing a procedure [like] is recommended.

[0969] There is a "range of synchronization" in a processing path. a range of synchronization -- the base -- when using a definition object as a screen, it is the thing of the range to actuation ->W02 ->W03 ->W04 of people. This range means the range where significance homogeneous as the significance of one ****** is ****(ed) to guide actuation of people, and all words carry out the purpose. It is also called a Work-Through unit.

[0970] For example, although the word belonging to the screen of the selected business can form significance in a word only while using the screen when some operating menus are shown in a menu screen and one operating menu is chosen If it begins to use other business, since the screen of the business which was being used until now cannot be used, it becomes impossible to form significance in the word belonging to the screen of the business which was being used till then. Therefore, the range of the processing line route map constituted from a screen of a fake errand chosen with an operating menu is a range of synchronization.

[0971] Drawing 92 simplifies and describes a processing line route map.

[0972] As shown in this drawing, when it sees from a commission place information registration screen, (an initial screen, an asset-management menu, and commission place information registration) are one range of synchronization.

[0973] The starting point word referred to by self-generation of the endpoint word on the pallet in the same range of synchronization is indispensable only with the word arranged on the pallet.

[0974] The word of the screen which is not in the same range of synchronization should not be forming significance, when it sees from the word which is going to form significance. For this reason, it will not be effective in using as the starting point.

[0975] The word of DataBase and File is arranged only at W03 pallet. And W03 pallet can be uniformly referred to also from the screen which is in a system in which range of synchronization since it is one. Since physical DataBase and File were not decided at the beginning [of the system development], let the word of DataBase and File, and all the set words be the candidates of the starting point. In self-generation, since the word identifier set as the input area of DataBase and File is only referred to, even after physical DataBase and File are decided, it is not necessary to correct.

[0976] Making an addition and correction corresponding to physical DataBase and File is restricted to DataBase and a File:Input/Output operation element. When physical DataBase and File are already decided or it is clearly shown by the processing line route map, a processing line route map is followed.

[0977] For example, W03 logical element of a commission place information registration screen word can be referred to by the word area in the word of the initial screen in W03, an asset-management menu, and a commission place re-registration screen, and W02, DataBase, and File:Input-Area.

[0978] Drawing 93 is a processing line route map showing the case where a screen is further added to consignment place information registration business.

[0979] As shown in this drawing, suppose that "X screen" and "Y screen" were added to

the processing line route map of front drawing. When it sees from a commission place information registration screen, it refers to as the starting point by self-generation of screen word W03 logical element, and the effective range is a screen which does an operation according to a processing path on the screen described on the left of the self-screen on a processing line route map. In this example, an initial screen and an asset-management menu correspond to it.

[0980] The screen which does an operation according to a processing path on the screen described on the right of the self-screen on a processing line route map is an X screen in this example. Since Y screen has not exerted the operation on a commission place information registration screen, it does not become effective.

[0981] If it becomes and will see from X screen, do you refer to as the starting point by self-generation of screen word W03 logical element, and where can say the effective range is? They are an initial screen, an asset-management menu, and commission place information registration. It is because Y screen has not exerted the operation on X screen. It will refer to as the starting point by self-generation of screen word W03 logical element. Similarly, if it sees from Y screen, where will the effective range be? They are an initial screen, an asset-management menu, and commission place information registration. It is because there are not X screen and a Y screen in the same range of synchronization.

[0982] Drawing 94 is an explanatory view which realizes self-generation of the word belonging to a file.

[0983] As shown in this drawing, DataBase, the word of the screen which the logical element of a File word also has in the same range of synchronization and DataBase, and File can be referred to as the starting point.

[0984] Self-generation of DataBase and a File word is performed in order to form significance based on the word of the screen word which formed significance within W03, DataBase, and File:Input-Area and to make DataBase and File memorize. Therefore, self-generation is specified being conscious of a range of synchronization.

[0985] Although it is proper to consider what kind of self-generation it is from an applicable word since self-generation of the logical element of DataBase and a File word is specified, the need of verifying many processing paths of acting to Relevance DataBase and File will be imminent. In this case, first, although DataBase and File are Output(ed) in this processing path, it sees which word of the words of DataBase and File it is.

[0986] Next, it sees how self-generation of an applicable word is specified.

[0987] On W03 pallet, all of the word treated by the system, W03 phase element, and

W03 logical element are arranged. Therefore, the only logical DataBase and File will exist in W03 pallet by the system. This is the set of the word occupied with DataBase, a File word and an identifier, and an attribute. DataBase and File:Input/Output-Area are dependent on physical Data-Base and File. However, if only a word is caught and a word identifier is put in order simply, it is in agreement with logical DataBase and File.

[0988] A processing line route map specifies the operation to self-generation of the logical element arranged in a pallet. It has suggested that only the number of max and operations exists independently [direction / a formula etc.] that, as for this operation, significance is materialized [word / in a pallet / make / it / make]. When specifying self-generation, it is necessary to conclude "Only the number of max and operations has a case", and to see the contents of an operation to self-generation about each operation.

[0989] In the operation to W04 logical element, all the paths included in W04 pallet are operations. That is, the return of the range of the path from a front screen and a self-screen processing (first time display of applicable screen which succeeds contents of front screen word etc.) path, and the return (the contents of a transition screen word are succeeded) after changing to other screens correspond.

[0990] In the operation to W02 logical element, all the paths that come out of W02 pallet are operations. Since it is the operation which usually determines a processing path, it routes within W02 logical element, or, specifically, an operation element is prepared.

[0991] In the operation to W03 logical element, the paths included in W03 pallet and all the paths that come out of W03 pallet are operations. Specifically, it acts on both logical element of the logical element of a screen word, DataBase, and a File word.

[0992] For example, it explains in the processing line route map of drawing 95 using the processing path of a commission place information registration screen.

[0993] The operation to W04 logical element is a path from an asset-management menu, and is the case of data taking over and the first time. And there are 4 processing paths of registration, correction, deletion, and enquiry as return from W03 pallet.

[0994] The operation to W02 logical element has return and two paths of activation.

[0995] The operation to W03 logical element acts in the path which enters, there are 4 processing paths of registration, correction, deletion, and enquiry in the path which comes out, and when specifying self-generation of each logical element, it looks at and specifies the contents of the operation.

[0996] Many operations work to self-generation. Therefore, when self-generation is specified simply, it may become complicated self-generation assignment. The term of convention logic is yielded about explanation of the approach of simplifying self-generation assignment.

[0997] (Conclusion) A processing line route map is what was expressed visually, and replaces a scenario function with the conventional design information. If a definition object is given, this Fig. will be determined uniquely. And apart from an intention of those who create this Fig., all the programs (base logic) created by this drawing also become only-like.

[0998] Drawing 96 is drawing explaining the semantics of a synchronous path.

[0999] As shown in this drawing, the box of this Fig. is called a pallet. There are three sorts of pallets among the pallets. and each pallet ‐‐ the base ‐‐ logic is carried. A function will be created if this Fig. operates by the computer. For example, in the case of operating software, the function corresponds to the contents expressed with the former by the operating flow. If a definition object is given without in other words making an operating flow into known, it will exactly be being able to make a program. This Fig. expresses the condition before making it operate by the computer, and calls the condition of catching in this Fig. a range of synchronization, by LYEE. These things serve as a basis, and according to this invention, it is clear from this drawing that overwhelming efficiency nature can be demonstrated.

[1000] (11) T1 means the processing the data value of the purpose event decides a processing path to be about T1.

[1001] When it sees centering on a processing line route map, there are two kinds, the processing (it expresses with "T0" hereafter.) which determines the processing path to which people result in the purpose event, and the processing (it expresses with "T1" hereafter.) the existence of the data of the purpose events, such as an output DataBase, an output File, and output communication link wording of a telegram, decides a processing path to be, in processing of a computer.

[1002] Drawing 319 expresses the processing line route map for explaining the concept of "T0" and "T1."

[1003] There is a range of synchronization in "T0" and "T1." The range where only the intention of one ** acts on the path to which a "range of synchronization" results in the purpose event is said here. From a viewpoint of a range of synchronization, "T0" can call "processing to which two or more ranges of synchronization lay one upon another", and "T1" "processing of the range of synchronization of one **."

[1004] Although there is the word on-line processing and "off-line processing" (batch processing), and "people" does not decide a processing path in off-line processing, the case where "people" decides a processing path, and "the existence of the data of the purpose event" may determine a processing path in on-line processing. For example, while people do menu manipulation toward a screen, when managing processing of one,

"people" will have decided the processing path. On the other hand, when processing changing the method of processing by communication link wording of a telegram, "existence of the data of communication link wording of a telegram" will have determined the processing path.

[1005] If it sees from this field, when classifying computer processing, it can be said that the method of the classification of on-line processing and off-line processing is not right.

[1006] Next, the existence of the data of the purpose event explains the processing line route map of the processing (T1) which determines a processing path.

[1007] Drawing 320 expresses the processing line route map of processing (T1) with which the data value of the purpose event determines a processing path.

[1008] As shown in this drawing, W02 pallet is defined as setting an Input file and W02 pallet to 1:1. W04 pallet is defined as setting the purpose event (Output) and W04 pallet to 1:1.

[1009] In the case of a continuation chain, W03 pallet makes division this. In order of W04 pallet, W02 pallet, and W03 pallet, a pallet is arranged and is tied in a straight line.

[1010] now, "the data value of the purpose event determining a processing path" -- or [what kind of thing] -- ******** -- it considers below.

[1011] The processing line route map of "T1" is a thing for acquiring the purpose event (Output). The role of each pallet in it is as follows.

[1012] 1. W04 pallet : perform initial processing for acquiring the purpose event (Output).

[1013] 2. W02 pallet : acquire the data used in order to acquire the purpose event (Output), and check an attribute for every word.

[1014] 3. W03 pallet : form significance in the purpose event (Output) word and an Input word.

[1015] 4. W04 pallet : perform edit and a display of the purpose event (Output) word, and output the purpose event (Output).

[1016] These aim at forming significance in the word of the purpose event (Output), and outputting to it. In case you output to the purpose event (Output), let **** of the word representing the purpose event (Output) be an output unit. Also when you acquire the data used in order to acquire the purpose event (Output), let **** of the word representing Input be an input unit.

[1017] The physical conditions (a document, DataBase, File, communication media, etc.) of Output/Input are called "definition object." **** of the word representing the purpose event (Output) and Input is called "logic-Record." Two or more "logic-Record(s)" exists in a "definition object." a definition object -- "-- a different word -- bundling -- " -- it can be

said that two or more immanency is carried out.

[1018] For example, two or more logic-Record(s) usually exist in a document. When creating a document, Header, Body, the sum total, etc. exist. When creating a document, it creates Header, Body, and the sum total of one line at a time, and they are outputted. the word representing one line -- bundling -- it differs for every Header, Body, and sum total. The word at the time of outputting will bundle, namely, two or more logic-Record(s) will exist [sum total / Header, Body,].

[1019] Usually, it is the purpose event (Output) to ask for two or more definition objects, and two or more definition objects which serve as the purpose event (Input) for the reason are acquired. Since two or more logic-Record(s) will exist in one definition object and two or more definition objects will be treated to coincidence, it may become complicated. "Timing of an output and an input" will exist there inevitably.

[1020] What the comparison result of the existence of the data of Output/Input decides the timing of the output and input of logic-Record of Output/Input "the data of the purpose event determine a processing path" for is said. The data compared at this time consist of two or more words, and it is necessary to decide them each time.

[1021] The processing line route map of "T1" asks for and describes the timing which outputs and inputs logic-Record of Output/Input in a setup of W04, W02, and W03 each pallet, and the method of connection of two or more processing paths (path constituted from W04, W02, and W03), in order to acquire the purpose event (Output).

[1022] A processing line route map in case Input is one piece and the number of the purpose events (Output) is one is described as shown in drawing 321.

[1023] As shown in this drawing, when Input area is "empty", Input is inputted by W02 pallet. By W03 pallet, significance is formed in the word of the purpose event (Output) based on the contents of a word of Input. By W04 pallet, if the contents of a word of the purpose event (Output) are edited and all the words of output logic-Record have significance, it will output to the purpose event (Output).

[1024] Moreover, in this drawing, the execution condition of initial starting is decided on operating conditions, and the execution condition of Output is decided on operating conditions.

[1025] The execution condition of Input will be Input(ed) when W02 word area is "empty."

[1026] When "mixture" is seen from the purpose event (Output), the case of ("contents of the purpose event (Output) comparison" NOT= "the contents of an Input comparison") is said. The execution condition of a recovery chain is the case of not being intermingled, and the execution condition of a duplication chain is the case of mixture.

[1027] It opts for termination on operating conditions.

[1028] P42 is an operation element which specifies (the pallet [degree] =W02 pallet ID) and determines a processing path.

[1029] P23 is an operation element which specifies (the pallet [degree] =W03 pallet ID) and determines a processing path.

[1030] Next, the processing line route map creation approach of "processing whose "T1":data value determines a processing path" is explained.

[1031] The purpose event (Output) is as a result of processing, and when it is the definition object made into the purpose, the processing line route map for acquiring the purpose event (Output) is created.

[1032] The purpose event (Output) preparesWdefinition object:W04 pallet =04 pallet by 1:1 first. Since it is definition object:W04 pallet =1:1 when there is a purpose event (Output) of N individual, W04 pallet of N individual is prepared.

[1033] Next,Wdefinition object:W02 pallet =02 pallet is prepared by 1:1 to Input. Since it is definition object:W04 pallet =1:1 when there are M Input(s), M W02 pallets are prepared.

[1034] One W03 pallet is prepared.

[1035] The purpose event (Output) will prepare [W04 pallet of N individual / Input] one W03 pallet for M W02 pallets to M pieces these results to N individual, respectively.

[1036] The word of the purpose event (Output) forms significance in each path of W04 pallet, W02 pallet, and W03 pallet **. The number of processing paths is decided by (the number of number XWof W04 pallets02 pallets).

[1037] What connected only the number of processing paths to linearity is "the processing line route map which obtains Output."

[1038] Drawing 322 is drawing showing the processing line route map in the case of there being two purpose events (Output) and three Input(s), and processing in the same range of synchronization.

[1039] In the example shown in this drawing, the number of pallets shows the case of two W04 a purpose event (Output) ->2 piece pallets, three W02 Input->3 piece pallets, and one W03 pallet.

[1040] As shown in this drawing, it is W02 number:6 processing path =2 piece pallet [W04 pallet X3 piece] of a processing path, and, specifically, becomes W04:A->W02:X->W03,   W04:A->W02:Y->W03,   W04:A->W02:Z->W03, W04:B->W02:X->W03, W04:B->W02:Y->W03, and W04:B->W02:Z->W03. A processing line route map connects and creates six processing paths.

[1041] Next, the method of connection of a processing path is explained.

[1042] When the number of processing paths is one, the purpose event (Output) is set to 1File, Input is set to 1File, the purpose event (Input:X) is acquired by W02 pallet, and the purpose event (Output:A) is outputted by W04 pallet via W03 pallet.

[1043] There is two kinds of how when moving to W04 pallet to move via W03 pallet. For example, supposing two kinds of Record(s) are in the purpose event (Output), the 1st kind of Record will only be outputted based on Input. The 2nd kind of Record(s) total and output based on Input.

[1044] File-Write [it / with W04 pallet / words / Record of eye one sort ** forms significance in all words, and] when Input-Record is seen from the purpose event (Output-Record) and the contents of a comparison are in agreement.

[1045] Input-Record is seen from the purpose event (Output-Record), and when the contents of a comparison are inequalities, the 2nd kind of Record(s) also form significance in all words.

[1046] A processing line route map specifies and describes the operation element which determines the purpose event (Output), the purpose event (Input), and a processing path. In one processing path, the line which connects W03 pallet and W04 pallet is called "recovery chain." A recovery chain is the operation for changing into the condition of mixture (the "contents of the purpose event (Output) comparison" NOT= "the contents of an Input comparison"). Drawing 323 is a processing line route map concerning this situation.

[1047] When the number of processing paths is two, as shown in drawing 324, it is referred to as purpose event (Output):1File and Input:2File, and the line which connects the 1st W03 pallet and the 2nd W04 pallet is called "duplication chain." Since Output-A-logic-Record and the Input-X-logic Record changed into the mixture condition, a duplication chain is an operation which performs the following processing path.

[1048] The line which connects the 2nd W03 pallet and the first W04 pallet is called "multiplex chain." A multiplex chain is an operation when Output-A-logic-Record, and the Input-X-logic Record and Input-Y-logic-Record change into a mixture condition.

[1049] When the number of processing paths is three, as shown in drawing 325, it is referred to as purpose event (Output):1File and Input:3File, and three processing paths are connected using a recovery chain, a duplication chain, and a multiplex chain for linearity.

[1050] Drawing 326 is a processing line route map of purpose event (Output):2File and Input:1File.

[1051] As shown in this drawing, when creating purpose event (Output):2File to the same timing, 2File(s) can be treated by one W04 pallet.

[1052] Purpose event (Output): When the timing which outputs 2File differs, or when it does not understand, describe using two W04 pallets. Drawing 327 is a processing line route map showing this situation.

[1053] As shown in this drawing, it is based on the property of purpose event:Output and Input in what kind of case a recovery chain, a duplication chain, and a multiplex chain occur.

[1054] drawing 328 -- purpose event (Output): -- it is a processing line route map in 2File and Input:2File.

[1055] As shown in this drawing, it becomes the form where two processing paths of purpose event (Output):2File and purpose event Input:1File were connected, in this case. As for a multiplex chain (return from W03 pallet to W04 pallet), only the number of connection of a processing path exists. Although it is dependent on the property of Output/Input, as for whether it actually exists, it is desirable to take the attitude which sets with what existing and deletes an unnecessary path.

[1056] Since it is the activity which connects the processing path set focusing on the purpose event (Output), the processing line route map in purpose event (Output):2File and Input:3File becomes what connected three processing paths of purpose event (Output):2File and Input:1File.

[1057] Next, how to connect "T1" processing path in which ranges of synchronization differ is explained. This is used when processing sequence must be taken into consideration.

[1058] Drawing 329 is a processing line route map at this time.

[1059] After creating middle-File from the purpose event (Input-X, -Y) in order to acquire the last purpose event (Output-A) as shown in this drawing, the purpose event (Output-A) is created using middle-File-Input-Z.

[1060] The processing line route map showing in this drawing turns into a processing line route map which connected the processing line route map of the same range of synchronization aiming at the purpose event (Output= middle-File), and the processing line route map of the same range of synchronization aiming at the purpose event (Output=A).

[1061] The chain which connects a different range of synchronization is called "continuation chain." the case where ranges of synchronization differ -- W03 pallet -- W03- (W03- (** -- it divides like in a range of synchronization.)) The processing line route map of the same range of synchronization [line route map / which used the continuation chain / processing] aiming at the purpose event (Output= middle-File), The processing line route map of the same range of synchronization aiming at the

purpose event (Output=A) is separately created as "T1", and the same result is obtained even if it makes it make different "T1" process in order according to processing sequence.

[1062] Next, the definition of a word is explained.

[1063] A "word" means the unit which forms significance. In "T1", it treats per logic-Record in which a definition object has Output/Input to the purpose event definition object as a property. And Input is arranged on W02 pallet of Input, and W03 pallet per logic-Record. The purpose event (Output) is arranged on W04 pallet of the purpose event (Output), and W03 pallet per logic-Record.

[1064] Input/Output Arrangement of Buffer and the word area which the logical element of each pallet treats is carried out as shown in drawing 330.

[1065] That is, as shown in this drawing, the data area in a computer memory is Input/Output. It dissociates clearly and word area for the logical element of Buffer and a pallet to form significance is arranged.

[1066] To one Input, "word area" for the logical element of a pallet to form significance assigns "W02 word area" and "W03 word area" for every class of logic-Record, and assigns "W03 Elian Nakama" and "W04 word area" for every class of logic-Record to one purpose event (Output).

[1067] For example, supposing the purpose event (Output) is a document, two or more Record classes, such as HEDA·, the body, and the sum total column, exist. At this time, "W03 Elian Nakama" and "W04 word area" are assigned for every logic-Record class.

[1068] The relation between an allotment beam "word area" and "arrangement of a logical element" comes to be shown by drawing 330.

[1069] Since W02 pallet (an attribute check is performed) takes charge of Input in this drawing, W02 logical element is arranged. Only when it can conclude that it is not necessary to perform an attribute check at all, making a logical element unnecessary is admitted. W03 pallet (significance is formed) arranges the logical element corresponding to Input and the middle-purpose event (Output). Supposing that the purpose event (Input) logical element is unnecessary when an operation element can be substituted for significance formation is admitted. W04 pallet (it edits) arranges the logical element corresponding to the purpose event (Output). The phase element is unnecessary in order that the logical element of each pallet may carry out the direct reference of the word area.

[1070] Also in "T0" which is the processing "whose man" decides a processing path, when a range of synchronization is one **, the same thing as "T1" can say.

[1071] That is, arrangement of Input/Output-Buffer in case purpose event:Input/Output is another definition object, word area, and a logical element becomes as it is shown in

drawing 331.

[1072] A phase element can be made unnecessary as shown in this drawing.

[1073] Arrangement of Input/Output·Buffer in case Input/Output is the same definition object, word area, and a logical element becomes as it is shown in drawing 332.

[1074] Moreover, for example, the purpose event (Output): In a document and Input·File, arrangement of a processing line route map and word area and arrangement of a logical element come to be shown by Fig. 333 and 334. A document layout and a File·X layout are shown in this drawing.

[1075] About arrangement of word area and a logical element, as shown in drawing 335, according to the class of logic·Record, a logical element is arranged according to the word which assigned and assigned word area.

[1076] Next, the view of a processing line route map is explained. Drawing 336 is a conceptual diagram for explaining this view.

[1077] As shown in this drawing, the number of the pallets of W04 and W02 is clarified. that is, -- if it is a purpose event (Output):1 piece document -- W04 pallet -- one purpose event (Output) -- receiving -- one piece -- carrying out -- Input:1 piece File -- if it becomes, W02 pallet will be made into one piece to one Input.

[1078] Moreover, for the number of processing paths, W04 pallet is one piece as shown in drawing 337. XW02 pallet serves as a 1 piece =1 processing path. Operation element W04 ->W02 which determine a processing path, and W02 ->W03 exist clearly. The operation element of W03 ->W04 is good on one recovery chain.

[1079] As a view of word area, purpose event (Output):4 logic·Record (Header, Body, a subtotal, sum total) is arranged on W04 pallet and W03 pallet, and Input:1 logic·Record (detail·Record) is arranged on W02 pallet and W03 pallet.

[1080] As a view of logical element arrangement, a logical element is arranged by 1:1 corresponding to the word arranged on each pallet. That is, corresponding to the word of W02 pallet, W02 logical element is arranged by 1:1, corresponding to the word of W03 pallet, W03 logical element is arranged by 1:1, and W04 logical element is arranged by 1:1 on W04 pallet corresponding to a word.

[1081] Moreover, for example, the purpose event (Output): A document, the processing line route map in Input:2File, arrangement of word area, and arrangement of a logical element become as it is shown in Fig. 338 and 339. A document layout, 2 File:X, Y, and a layout are considered as the passage of this drawing.

[1082] As arrangement of word area and a logical element is shown in drawing 340, a logical element is arranged according to the word which assigned and assigned word area according to the class of logic·Record.

[1083] Next, the view of a processing line route map is explained. It is important to clarify the number of the pallets of W04 and W02.

[1084] As shown in drawing 341, in the case of a purpose event (Output):1 piece document, in File (one piece and purpose event (Input):2 piece), W04 pallet arranges two W02 pallets to two Input(s) to one purpose event (Output).

[1085] Moreover, for the number of processing paths, W04 pallet is one piece as shown in drawing 342. X W02 pallet serves as a 2 piece =2 processing path. It is necessary to care about that the operation element which connects two processing paths exists about the operation element which determines a processing path.

[1086] As a view of word area, purpose event (Output)-document:4 logic-Record (Header, Body, a subtotal, sum total) is arranged on W04 pallet and W03 pallet, Input-File-X:1 logic-Record (detail-Record) is arranged on a W02:X pallet and W03 pallet, and Input-File-Y:1 logic-Record (detail-Record) is arranged on a W02:Y pallet and W03 pallet.

[1087] As a view of logical element arrangement, a logical element is arranged by 1:1 corresponding to the word arranged on each pallet.

[1088] Corresponding to the word of a W02:X pallet, W02 logical element is arranged [W02:X] by 1:1, and, specifically, W02 logical element is arranged [W02:Y] by 1:1 corresponding to the word of a W02:Y pallet. Corresponding to the word of W03 pallet, W03 logical element is arranged by 1:1, and W04 logical element is arranged by 1:1 on W04 pallet corresponding to a word.

[1089] next, the base -- logic is explained.

[1090] the base -- logic forms significance with "three logical elements" for every word, and the phase element is unnecessary. The operation of those other than the significance of a word uses an operation element.

[1091] Three logical elements are expressed with the flow chart of W02 logical element, W03 logical element, and W04 logical element as well as "T0", as shown in drawing 343.

[1092] Moreover, as shown in drawing 344, the concept of the equivalence word of W03 logical element becomes the same as the time of "T0."

[1093] The operation the logical element of each pallet forms [operation] significance in the word of word area comes to be shown in drawing 345.

[1094] In this drawing, it means that a "attribute check" checks the attribute of an Input word. "Self-generation" means performing self-generation by making an Input word into a starting point word. "edit" -- middle: -- it means carrying out self-generation from the purpose event (Output).

[1095] Arrangement of the operation element when making unnecessary Input:W02

logical element and Input:W03 logical element and a logical element comes to be shown in drawing 346.

[1096] Although the flow chart of W03 logical element is the same about W03 logical element of a total word, and self-generation, there are two kinds of methods of self-generation. Namely, the method of substituting a count result for 1. unconditionedness in the word area of self.

[1097] 2. How to take calculating Work-Area, to regard it as completion of total, when it sees from purpose event (Output) and contents of comparison start inequality with purpose event (Output) and purpose event (Input), to set value to word area of self, and carry out clear [of Work-Area].

[1098] It avoids calculating any approach repeatedly, i.e., using "recovery." Usually, the approach using Work-Area is taken.

[1099] In substituting a count result unconditionally in the word area of self, as shown in drawing 347, a starting point word turns into a word of Input logic-Record. When making into a starting point word the word of the definition object with which a self-word belongs, the word of the definition object in the same range of synchronization may be made into a starting point word.

[1100] Again. Mixture: False says the case of (the contents of an Input comparison used for the contents of the purpose event (Output) comparison = self-generation to which a self-word belongs).

[1101] The output condition of logic-Record is (significance's having been materialized in all logic-Record words), and (being mixture:True).

[1102] It comes to be shown by drawing 348 when it has calculating Work-Area. Mixture: False says (the contents of an Input comparison used for the contents of the purpose event (Output) comparison = self-generation to which a self-word belongs).

[1103] The output condition of logic-Record is (significance's having been materialized in all logic-Record words), and (being mixture:True).

[1104] Next, an operation element is explained. There is the following as a description of an operation element.

[1105] It has the "control BOX" for treating 1. "the purpose event (Output/Input) definition object and logic-Record."

[1106] The output and input of 2. "purpose event (Output/Input) logic-Record" are performed using an operation element.

[1107] 3. They are the requirements for a mixture flag "True" at the time of the contents of the contents NOT=Input logic-Record comparison of a purpose event (Output) logic-Record comparison.

[1108] The output timing of 4. "purpose event (Output) logic-Record" is that significance was materialized in all - logic-Record words.

[1109] - finishing [an output of logic-Record to which priority is given] when two or more logic-Record exists -- it is .

[1110] - It sees from object logic-Record and a mixture flag should be "True." It is a time of ******(ing). In this case, when not using a mixture flag, it does not put into an execution condition.

[1111] The clear-timing of 5. "purpose event (Output) logic-Record" is a time of having outputted object logic-Record being filled.

[1112] 6. About a mixture flag, when purpose event (Output) logic-Record is output settled, suppose that the mixture flag seen from applicable logic-Record is set to "False."

[1113] As input timing of 7. "Input logic-Record", it is a time of being satisfied that logic-Record is "empty" (=LOW-VALUE).

[1114] The clear-timing of 8. "purpose event (Input) logic-Record" is a time of it being satisfied that all the mixture flags that point out Input logic-Record are "False(s)."

[1115] As shown in drawing 349, the logical structure of an operation element is the same as the time of "TO", and has the same form as a logical element.

[1116] It is the element with which an operation element performs an operation of one ** to a logical element being an element which forms the significance of the word of one **.

[1117] There are a form where there is "recovery", and a form which is not in an operation element. Usually, the form without recovery is used.

[1118] Next, the place which three kinds of chains, a "recovery chain", a "duplication chain", and a "multiplex chain", specifically mean is explained using Fig. 350 and 351.

[1119] As shown in this drawing, "mixture" means the condition of (contents:Input logic-Record of the contents:purpose event (Output) logic-Record NOT= comparison of a comparison).

[1120] Since those of Header, Body, a subtotal, and the sum total with four piece and Input logic-Record are two pieces, as for purpose event (Output) logic-Record, eight kinds of comparisons will exist.

[1121] In activation of the first processing path (W04-A->W02-X->W03), significance is formed in the word of Output-A based on Data of Input-X. By the 2nd activation of (W04-A->W02-X->W03), if either of four Output-A-logic-Record(s) and Input-X become an inequality, it will be in a mixture condition. A "recovery chain" is actuation of the same processing path activation carried out in order to change purpose event (Output) logic-Record of W04 pallet, and Input logic-Record within a processing path into a

mixture condition.

[1122] Purpose event (Output) logic-Record which changed into the mixture condition shifts to other processing path activation, in order to refer to the contents of other Input logic-Record(s), when it becomes less effective to use the contents of Input logic-Record used as the candidate for a comparison as contents of the starting point. A "duplication chain" is of operation [which it overlaps / of operation / and performs two or more processing paths] in order to form significance in a purpose event (Output) logic-Record all word.

[1123] About a "multiplex chain", it is the next processing path (W04-A->W02-Y->W03) activation, and significance is formed in the word of Output-A based on Data of Input-Y. By the 2nd activation (W04-A->W02-Y->W03), when either of four Output-A-logic-Record(s) and Input-Y become an inequality, it will be in a mixture condition.

[1124] In both (W04-A->W02-Y->W03) processing path (W04-A->W02-X->W03), when it changes into a mixture condition, it returns to a front processing path. One logic-Record of four Output-A-logic-Record(s) forms significance, and is Output(ed) by W04:A.

[1125] Next, "T1": Explain the class of operation element, and the method of an operation.

[1126] What was prepared for control treating logic-Record of a definition object and the definition inside of the body is called "control BOX."

[1127] A definition object unit presupposes that it is as follows.

[1128]

File-Open: True:"1" False:"0" File-Close: True:"1" False:"0" EOF: True:"1" False:"0" File-I/O-Status: Status-Cord File-I/O-Error:True:"1" False:"0" File-I/O-Counter: I/O-Count Page-Max-Count: Constant Page-Counter: An I/O-Count definition object is established per logic-Record.

[1129] The contents of a comparison are contents which look at and compare purpose event (Output) logic-Record to Input logic-Record. If Input logic-Record recognizes N class existence, the contents of a comparison will also recognize N individual existence.

[1130] A mixture flag sets up only the Input logic-Record class number used as the object in comparison with a logic-Record unit.

[1131] Control of the instruction about File-I/O - BOX is prepared according to a File-I/O instruction for every class of logic-Record.

[1132] For example, File-I/O-** in [each] following and logic-Record-I/O-Counter are as follows in order.

[1133] File-Read:True: It is I/O-Count at "1"False:"0". By File-Write:True:"1"False:"0"

By I/O-CountFile-Update:True:"1"False:"0" By I/O-CountFile-Delete:True:"1"False:"0" I/O-CountFile-Convert:True: -- the control flag for finding that I/O-Count each pallet finished processing of a logical element and an operation element by "1"False:" 0" and control-BOX are distinguished.

[1134] With W02 pallet, after initial processing, logical element processing, File-Open operation element processing, File-Convert operation element processing, File-Read operation element processing, File-Close operation element processing, "T1" halt report processing, and processing path decision operation element processing are completed, it becomes as finishing [W02 pallet processing].

[1135] By W03 pallet, after initial processing, mixture flag setting processing, logical element processing, "T1" halt report processing, and processing path decision operation element processing are completed, W03 pallet processing becomes finishing.

[1136] With W04 pallet, after initial processing, logical element processing, File-Open operation element processing, File-Write operation element processing, Message output processing, logic (Output/Input)-Record area clear processing, mixture flag clear processing, outputted flag clear processing, File-Close operation element processing, and processing path decision operation element processing end, it becomes as finishing [W04 pallet processing].

[1137] Arrangement of the "word area" of a "processing line route map" and each pallet, a "logical element", and a "operation element" becomes as it is shown in Fig. 352 and 353.

[1138] The case where moreover, "purpose event (Output):1 piece-logic-Record:4 piece" forms significance from "purpose event (Input):1 piece" comes to be shown in drawing 354.

[1139] As shown in this drawing, purpose event (Output) logic-Record:Body is purpose event (Input) logic-Record. Significance is formed in all words in 1Record.

[1140] When subtotal (Key-B, A) ->Input (Key-B, A) becomes an inequality, as for a subtotal, subtotal-logic-Record and Input-logic-Record will be in a mixture condition, all the words of subtotal-logic-Record form significance, and the sum total shall form significance in the word of sum total-logic-Record, when sum total (Key-B) ->Input (Key-B) becomes an inequality.

[1141] In the Input side, Input-X logic-Record:1 piece exists about the contents of a comparison, and the Output side is four pieces (Output-A logic-Record:4 piece). X (Input-X logic-Record:1 piece) It exists.

[1142] if purpose event (Output) logic-Record looks at the relation which uses purpose event (Input) logic-Record as the starting point -- effective one --

(Output-A-Body->Input-X) and (Output-A-Header->Input-X) ·· and (Output-A-subtotal -> Input-X) (Output-A-sum total -> Input-X) they are four pieces.

[1143] Four mixture flags (Output-A logic-Record:4 piece) X (Input-X logic-Record:1 piece) Four pieces, Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and Output-A-sum total ->Input-X, are effective inside.

[1144] These are shown in Fig. 355 and 356.

[1145] A processing path (W04:A->W02:X->W03) is a path for which the word of Output-A-logic-Record forms significance from the word of Input-X-logic-Record. When (Output-A-logic-Record->Input-X-logic-Record) is mixture, it means that either of the Output-A logic-Record(s) formed significance.

[1146] W04: A starting: First-time starting performs initial processing. File-Write of Page-Change is carried out. In an initial state, since all mixture flags are False(s), W02:X is started.

[1147] W02: File-Read since it is X starting: (Input-X-Area= sky). W03 is started.

[1148] W03 starting: It is going to form significance in the word of Output-A-logic-Record.

[1149] Mixture flag setup, Beginning Output-A-Body->Input-X Being un-intermingled. Output-A-Header->Input-X Being un-intermingled. Output-A-subtotal -> Input-X Being un-intermingled. Output-A-sum total -> Input-X It becomes like being un-intermingled.

[1150] Output-A-Body forms significance from the word of Input-X. Significance is formed from the word of Output-A-Header:Input-X.

[1151] Output-A-subtotal: Total from the word of Input-X. However, an Output-A-subtotal -> since Input-X has not been intermingled, it is not forming significance. Output-A-sum total: Total from the word of Input-X. However, since Output-A-sum total ->Input-X has not been intermingled, it is not forming significance.

[1152] Since Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total have not been intermingled about an effective mixture flag in a processing path (W04:A->W02:X->W03), a recovery chain is carried out. Moreover, W04:A is started.

[1153] W04: A starting: Significance is materialized in Output-A-Body and all the words of Output-A-Header. Since Output-A-Header is higher than Output-A-Body about the priority of File-Write, suppose File-Write in order of Output-A-Header and Output-A-Body. At the time of Output-A-Header-Write, the contents of Header are saved at Header-Work (preservation of the contents of Header).

[1154] Since File-Write [Data-Area-Clear:Output-A-Body and Output-A-Header], they Clear corresponding W04 field and W03 field. At this time, since it is in

Output-A-logic-Record   and   the   condition   of   not   being   intermingled, Input-X-logic-Record-Area is Clear(ed).

[1155] Since File-Write, mixture flag Clear:Output-A-Body->Input-X and Output-A-Header->Input-X are Clear(ed).

[1156] Since Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total have not been intermingled about an effective mixture flag in a processing path (W04:A->W02:X->W03), W02:X is started.

[1157] W02: File-Read [starting / X] since it is (Input-X-Area= sky). W03 is started to coincidence.

[1158] About W03 starting, it is going to form significance in the word of Output-A-logic-Record.

[1159] A mixture flag setup is as follows.

[1160]

Before a setup After a setup Output-A-Body->Input-X Being un-intermingled. Being un-intermingled. Output-A-Header->Input-X Being un-intermingled. Being un-intermingled. Output-A-subtotal -> Input-X Being un-intermingled. Being un-intermingled. Output-A-sum total -> Input-X Being un-intermingled. Since File-Write was carried out and Data-Area-Clear was carried out about non-intermingled Output-A-Body, it is empty. Therefore, significance is formed.

[1161] Since Data-Area-Clear [Output-A-Header / File-Write and], it is empty. However, since it is (Header-Work NOT= sky), self-generation is not carried out.

[1162] Since Output-A-subtotal ->Input-X has not been intermingled about an Output-A-subtotal, the total from the word of Input-X is carried out.

[1163] Since Output-A-sum total ->Input-X has not been intermingled about the Output-A-sum total, the total from the word of Input-X is carried out.

[1164] Since neither has been intermingled about the effective mixture flag in the processing path (W04:A->W02:X->W03) among Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total, a recovery chain is carried out. W04:A is started to coincidence.

[1165] W04: A starting: Significance is materialized in all the words of Output-A-Body. File-Write [File-Write / Output-A-Body] since Output-A-Header is File-Write settled. About Data-Area-Clear, since File-Write [Output-A-Body], it Clear(s) corresponding W04 field and W03 field. Since it is in Output-A-logic-Record and the condition of not being intermingled, Input-X-logic-Record-Area is Clear(ed). About the mixture flag Clear, since File-Write, Output-A-Body->Input-X is Clear(ed).

[1166] Since Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal

Output-A-subtotal or the Output-A-sum total], Header-Work is Clear(ed). Since File-Write, an Output-A-subtotal is Clear(ed). Since File-Write, the Output-A-sum total is Clear(ed). Since Input-X-logic-Record-Area is in Output-A-logic-Record and a mixture condition, it does not Clear.

[1177] Mixture flag Clear:Output-A-subtotal -> since File-Write [Input-X and Output-A-sum total ->Input-X], they are Clear(ed).

[1178] About an effective mixture flag, Output-A-Header->Input-X is mixture in a processing path (W04:A->W02:X->W03) among Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total. Therefore, W02:X is started.

[1179] W02: File-Read [starting / X / Input-X-logic-Record] since it is (Input-X-logic-Record-Area NOT= sky). W03 is started.

[1180] About W03 starting, it is going to form significance in the word of logic-Record of Output-A.

[1181] About a mixture flag setup, it is as follows.

[1182]

Before a setup After [a setup] Output-A-Body->Input-X Being un-intermingled. Non-intermingled Output-A-Header->Input-X Mixture Non-intermingled Output-A-subtotal -> Input-X Being un-intermingled. Non-intermingled Output-A-sum total -> Input-X Being un-intermingled. Since it is non-intermingled Output-A-Body: (NOT= sky), self-generation is not carried out from an Input-X field.

[1183] Since it is (Header-Work= sky) in Output-A-Header: (= sky), self-generation is carried out.

[1184] Output-A-subtotal: Since Output-A-subtotal ->Input-X has not been intermingled, total.

[1185] Output-A-sum total: Since Output-A-sum total ->Input-X has not been intermingled, total.

[1186] Since it has not been altogether intermingled about an effective mixture flag in a processing path (W04:A->W02:X->W03) among Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and Output-A-sum total ->Input-X, a recovery chain is carried out. W04: Start A.

[1187] W04: A starting: Significance is materialized in Output-A-Body and all the words of Output-A-Header.

[1188] File-Write: Output priority is the order of an Output-A-subtotal, the Output-A-sum total, Page-Change, Output-A-Header, and Output-A-Body. File-Write [Output-A-Header] since significance is formed. File-Write [Output-A-Body] since

Output-A-Header is File-Write settled. (The contents of Header are saved at Header-Work (preservation of the contents of Header) at the time of Output-A-Header-Write.) Since File-Write [Data-Area-Clear:Output-A-Body-Area], it Clear. Since File-Write [Output-A-Header-Area], it Clear.

[1189] Since it is in Output-A-logic-Record and the condition of not being intermingled, Input-X-logic-Record-Area is Clear(ed).

[1190] Since File-Write [mixture flag Clear:Output-A-Body->Input-X and Output-A-Header->Input-X], they are Clear(ed).

[1191] About an effective mixture flag, all have not been intermingled in a processing path   (W04:A->W02:X->W03)   among   Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total. W02: Start X.

[1192] W02: File-Read [Input-X-logic-Record] since it is X starting: (Input-X-logic-Record-Area= sky). W03 is started.

[1193] Next, it attaches and explains to how the execution condition of each operation element should be specified. Drawing 357 is drawing for explaining this point.

[1194] As shown in this drawing, as an operation element of W02 pallet, File-Open processing and File-Close processing are prepared for every definition object. File-Read processing is prepared per logic-Record. At this time, according to the conditions of a definition object, it can consider that two or more logic-Record(s) are one logic-Record, and they can also be acquired collectively. At this time, Read of two or more logic-Record is performed from the contents of an operation of a File-Read operation element. It is necessary to apply the unit it was considered that was one logic-Record to all the operation elements that act per logic-Record.

[1195] The operation element which determines the processing path of W02 pallet specifies degree pallet according to a processing line route map. a processing path -- three kinds of W03 pallet of termination, a continuation chain (W04 pallet of the following processing path is specified), and the processing path of self -- it is .

[1196] For example, in the example shown in drawing 358, W03 pallet of termination and the processing path of self exists, and a continuation chain does not exist. In the computer, as shown in this drawing, it will move.

[1197] In the upper example, the operation element of W03 pallet comes to be shown in Fig. 359 thru/or 361. The contents phase of an output logic-Record comparison: As for one phase:operation element, as for four pieces and a mixture flag setup, at least four pieces and input logic-Record exist [an operation element].

[1198] The operation element for it is prepared to check the list of purpose event (Input)

logic-Record.

[1199] For example, the contents (Output-A-Body->Input-X) of a comparison and the contents (Input-X) of a comparison which were prepared in order to judge mixture, as shown in drawing 362 are compared to check it the ascending order of Key-B and A for Sequence of Input-X-logic-Record.

[1200] The logical element of purpose event (Output) logic-Record of W03 field is specified as shown in Fig. 363 and 364. Purpose event (Input) logic-Record presupposes that the input logic-Record phase (W02 field -> W03 field) is substituted here.

[1201] As shown in this drawing, assignment of the "empty" (execution condition of = self-generation) of a subtotal and the sum total has not added (mixture (Output-A-Body->Input-X) =False). It is because Output-A-Body->Input-X always has not been intermingled even if two or more logic-Record(s) of Identitas Key exist in Input-X logic-Record, so it is not necessary to make in agreement the timing to which an Output-A-Body logic-Record word forms significance, and the timing which subtotal / sum total word totals.

[1202] Processing path decision of W03 pallet: An operation element comes to be shown by drawing 365. Processing path decision: When an operation element specifies degree pallet, as shown in drawing 366, it is moving in the computer.

[1203] Since there is only one purpose event (Output) as shown in this drawing, there is only one W04 pallet. Therefore, degree pallet specifies W04:A on any chain. Therefore, processing path decision: It can be said that there **** one operation element and its execution condition is also good as "unconditionedness." However, it has a view of an execution condition like [this drawing]. By that, also when complicated, a correct answer can be drawn.

[1204] At a previous example, it is W04. The operation element of a pallet comes to be shown in drawing 367.

[1205] Namely, File-Write: Prepare File-Write processing per logic-Record at the time of one four purpose event (Output) logic-Record(s)+Page-Change. Depending on the conditions of a definition object, it can consider that "two or more logic-Record(s)" is "one logic-Record", and they can also be outputted collectively. At this time, Write of two or more logic-Record is performed from the contents of an operation of a File-Write operation element. It is necessary to apply the unit it was considered that was "one logic-Record" to all the operation elements that act per logic-Record.

[1206] Data-Area-Clear: One purpose event (Input) logic-Record, four purpose event (Output) logic-Record(s), mixture flag clear -: It becomes four mixture flags.

[1207] File-Open processing and File-Close processing are prepared for every definition

object.

[1208] File-Write: As for an execution condition, significance should be materialized in all the words of 1. purpose event (Output) logic-Record. (File-Write-Request=True) 2. finishing [an output of high logic-Record of the priority of File-Write] when two or more logic-Record exists in the purpose event (Output) -- it is .

[1209] For example, in a previous example, priority comes to be shown in drawing 368. The priority when seeing a row from a column is described.

[1210] Output-A-Header-Write has the operation which Write(s) after operation [which Write(s) after Page-Change], beginning, and Output-A-subtotal / sum total-Write. It has a Header-Work-Write flag for Header-Work for the contents preservation of Header, and an Output-A-Body-Write check. Two kinds of operations are decomposed and prepared for two operation elements.

[1211] As shown in drawing 369, Output-A-Body-Write fills the conditions of "finishing [Output-A-Header-Write]" with (Header-Work-Write=True). (Header-Work-Write=True) is set up by two Output-Header-Write. (Header-Work-Write=False) is set up in an Output-A-subtotal and the sum total.

[1212] Next, Data-Area-Clear: Explain an operation element.

[1213] Since the significance materialized to W04 field of applicable logic-Record was outputted about purpose event (Output) logic-Record:Data-Area-Clear when applicable logic-Record was Write(d) as shown in Fig. 370 and 371, Data-Area-Clear of W04 field is performed in order to form new significance. W03 corresponding field is seen from W04 field, and since the duty as the starting point was finished, Data-Area-Clear is performed.

[1214] About purpose event (Input) logic-Record:Data-Area-Clear As shown in drawing 372, when all mixture with purpose event (Input) logic-Record to appearance-event (Output) logic-Record is False(s), The word in W03 field of purpose event (Input) logic-Record judges it as what finished the duty which the word of purpose event (Output) logic-Record uses as the starting point, and performs Data-Area-Clear.

[1215] Since W02 corresponding field was seen from W03 field and finished the duty as the starting point, it performs Data-Area-Clear.

[1216] mixture flag clear: -- as an operation element is shown in drawing 373, only the number of purpose event (Output) logic-Record(s) prepares an operation element.

[1217] Since purpose event (Output) logic-Record is four pieces and purpose event (Output) logic-Record was outputted in the example of this drawing, it will be necessary to form new significance in the word of outputted purpose event (Output) logic-Record. Since the mixture condition of a significance formation judging lost semantics, it is

Clear(ed) (it is made an initial state).

[1218] a Write flag -- as it attaches clear and is shown in drawing 374, since a Write flag is referred by other operation elements, it is arranged at the last of other operation elements except a processing path decision:operation element. A File-I/O completion flag is Clear(ed) among the contents of [Control BOX] (it is made an initial state). If required, File-I/O-Status, File-I/O-Error, File-I/O-Counter, and logic-Record-I/O-Counter will be made into an initial state.

[1219] Processing path decision of W04 pallet: An operation element comes to be shown in drawing 375.

[1220] That is, about the processing path decision of W04 pallet, when an operation element specifies degree pallet, as shown in this drawing, it operates in a computer. The following pallet which an operation element shows is W02-X. Since there is only one W02 pallet, it can be said that W02:A may be shown unconditionally. However, the approach of considering which pallet should be shown at which time is judged by at which time a recovery chain and a duplication chain happen.

[1221] Fig. 376 and 377 is drawing for explaining these.

[1222] An example in case "purpose event (Output):1 piece-logic-Record:4 piece" forms significance from "Input:2 piece" is shown in drawing 378.

[1223] As shown in this drawing, Output-A-Body forms significance in one Input-X logic-Record, Output-A-Header forms significance with the word of Input-X and Input-Y at the time of Key-B and A coincidence, an Output-A-subtotal forms significance with the word of Input-X at the time of Key-B and A inequality, and the Output-A-sum total presupposes that significance is formed with the word of Input-X at the time of a Key-B inequality.

[1224] the contents of a comparison -- the Input side -- Input-X logic-Record: -- Input-Y logic-Record:one piece exists one piece. The Output side is eight pieces (Output-A logic-Record:4 piece). X (Input-X logic-Record:1 piece +Input-Y logic-Record:1 piece) It exists. if purpose event (Output) logic-Record looks at the relation which uses purpose event (Input) logic-Record as the starting point -- effective one -- (Output-A-Body->Input-X), (Output-A-Header->Input-X), and (Output-A-Header->Input-Y) -- and (Output-A-subtotal -> Input-X) (Output-A-sum total -> Input-X) they are five pieces.

[1225] Eight mixture flags (Output-A logic-Record:4 piece) X (Input-X logic-Record:1 piece +Input-Y logic-Record:1 piece) Five pieces, Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-Header->Input-Y, Output-A-subtotal ->Input-X, and Output-A-sum total ->Input-X, are effective inside.

[1226] A processing path (W04:A->W02:X->W03) is a path for which the word of Output-A-logic-Record forms significance from the word of Input-X-logic-Record. When (Output-A-logic-Record->Input-X-logic-Record) is mixture, it means that either of the Output-A logic-Record(s) formed significance. When it changes into a mixture condition, in order to acquire other starting point words, it shifts to other processing paths.

[1227] W04: A starting: First-time starting performs initial processing. File-Write of Page-Change is carried out. In an initial state, since all mixture flags are False(s), W02:X is started.

[1228] W02: File-Read since it is X starting: (Input-X-Area= sky). W03 is started.

[1229] W03 starting: It is going to form significance in the word of Output-A-logic-Record. A mixture flag setup comes to be shown below.

[1230]

At first Output-A-Body->Input-X Non-intermingled Output-A-Header->Input-X Non-intermingled Output-A-Header->Input-Y Non-intermingled Output-A-subtotal -> Input-X Non-intermingled Output-A-sum total -> Input-X About non-intermingled Output-A-Body, significance is formed from the word of Input-X. An intermediary has the word (name) which forms significance from the word of Input-X and which is not still forming significance in Output-A-Header. About an Output-A-subtotal, it totals from the word of Input-X. However, an Output-A-subtotal -> since Input-X has not been intermingled, it is not forming significance. About the Output-A-sum total, it totals from the word of Input-X. However, since Output-A-sum total ->Input-X has not been intermingled, it is not forming significance.

[1231] Since Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total have not been intermingled about an effective mixture flag in a processing path (W04:A->W02:X->W03), a recovery chain is carried out. W04: Start A.

[1232] W04: Although significance is materialized in all the words of Output-A-Body about A starting, significance is not yet materialized in all the words of Output-A-Header. File-Write [the priority of File-Write / Output-A-Body] since Output-A-Header is higher than Output-A-Body. About Data-Area-Clear, since File-Write [all Output-A-logic-Record-Area], it cannot be Clear(ed). Since it is in Output-A-logic-Record and the condition of not being intermingled, Input-X-logic-Record-Area is Clear(ed). Input-Y-logic-Record-Area is still an initial state.

[1233] About the mixture flag Clear, since File-Write, neither of the mixture flags can be Clear(ed).

[1234] Since Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal

->Input-X, and the Output-A-sum total have not been intermingled about an effective mixture flag in a processing path (W04:A->W02:X->W03), W02:X is started.

[1235] W02: File-Read [starting / X] since it is (Input-X-Area= sky). W03 is started.

[1236] W03 starting: It is going to form significance in the word of Output-A-logic-Record. About a mixture flag setup, it is as follows.

[1237]

Before a setup After [a setup] Output-A-Body->Input-X Being un-intermingled. Mixture Output-A-Header->Input-X Being un-intermingled. Non-intermingled Output-A-Header->Input-Y Being un-intermingled. Non-intermingled Output-A-subtotal -> [Input-X] Being un-intermingled. Non-intermingled Output-A-sum total -> Input-X Being un-intermingled. About non-intermingled Output-A-Body, since it is (NOT= sky), nothing is done. Since the word which forms significance from the word of Input-X about Output-A-Header is (NOT= sky), nothing carries out it. About an Output-A-subtotal, since Output-A-Body->Input-X is mixture, the total from the word of Input-X is not carried out. About the Output-A-sum total, since Output-A-Body->Input-X is mixture, the total from the word of Input-X is not carried out.

[1238] In a processing path (W04:A->W02:X->W03), about an effective mixture flag, since either (in this case, Output-A-Body->Input-X) is mixture among Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total, a duplication chain is carried out. W04: Start A.

[1239] A processing path (W04:A->W02:Y->W03) is a path for which the word of Output-A-logic-Record forms significance using the word of Input-Y-logic-Record. Therefore, when (Output-A-logic-Record->Input-Y-logic-Record) changes into a mixture condition, it is possible that logic-Record of Output-A which uses an Input-Y-logic-Record word as the starting point formed a certain significance. In this example, the name of Output-Header performs self-generation, when the contents (Output-A-Header->Input-X) of a comparison and the contents (Input-Y) of a comparison are in agreement.

[1240] W04: Although significance is materialized in all the words of Output-A-Body about A starting, significance is not yet materialized in all the words of Output-A-Header. File-Write [the priority of File-Write / Output-A-Body] since Output-A-Header is higher than Output-A-Body. About Data-Area-Clear, since File-Write, no Output-A-logic-Record-Area can be Clear(ed). Since it is in Output-A-logic-Record and a mixture condition, Input-X-logic-Record-Area cannot be Clear(ed). Input-Y-logic-Record-Area is still an initial state.

[1241] About the mixture flag Clear, since File-Write, neither of the mixture flags can be Clear(ed).

[1242] About an effective mixture flag, in a processing path (W04:A->W02:X->W03) Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal -> it is either (in this case) among Input-X and the Output-A-sum total. Since effective mixture flag Output-A-Header->Input-Y has not been intermingled in a processing path (W04:A->W02:Y->W03) by mixture, Output-A-Body->Input-X starts W02:Y.

[1243] W02: File-Read [starting / Y / Input-Y] since it is (logic-Record= sky of Input-Y). W03 is started.

[1244] W03 Starting: It is going to form significance in the word of logic-Record of Output-A. A mixture flag setup comes to be shown below.

[1245]

Before a setup After [a setup] Output-A-Body->Input-X Mixture Mixture Output-A-Header->Input-X Being un-intermingled. Non-intermingled Output-A-Header->Input-Y Being un-intermingled. Non-intermingled Output-A-subtotal -> [Input-X] Being un-intermingled. Non-intermingled Output-A-sum total -> Input-X Being un-intermingled. About non-intermingled Output-A-Body, since it is (NOT= sky), nothing is done. About Output-A-Header, since the word which forms significance from the word of Input-X is (NOT= sky), nothing carries out it. Significance is formed from the word of Input-Y. About an Output-A-subtotal, since Output-A-Body->Input-X is mixture, the total from the word of Input-X is not carried out. About the Output-A-sum total, since Output-A-Body->Input-X is mixture, the total from the word of Input-X is not carried out.

[1246] About an effective mixture flag, in a processing path (W04:A->W02:X->W03) Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal -> it is either (in this case) among Input-X and the Output-A-sum total. Since effective mixture flag Output-A-Header->Input-Y has not been intermingled in a processing path (W04:A->W02:Y->W03) by mixture, Output-A-Body->Input-X carries out the recovery chain of (W04:A->W02:Y->W03). W04: Start A.

[1247] W04: About A starting, significance is materialized in Output-A-Body and all the words of Output-A-Header. File-Write [File-Write] by being the order of Output-A-Header and Output-A-Body.

[1248] About Data-Area-Clear, since File-Write [Output-A-Body-Area], it is Clear(ed). After File-Write, Output-A-Header-Area saves and Clear(s) the contents to Header-Work so that it can output at the time of Page-Change. Since it is in

Output-A-logic-Record and a mixture condition, Input-X-logic-Record-Area cannot be Clear(ed). Since it is in Output-A-logic-Record and the condition of not being intermingled, Input-Y-logic-Record-Area is Clear(ed).

[1249] About the mixture flag Clear, since File-Write [Output-A-Body->Input-X and Output-A-Header->Input-X], they are Clear(ed).

[1250] Since neither has been intermingled about the effective mixture flag in the processing path (W04:A->W02:X->W03) among Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total and effective mixture flag Output-A-Header->Input-Y has not been intermingled in a processing path (W04:A->W02:Y->W03), W02:X is started.

[1251] W02: File-Read [starting / X] since it is (Input-X-logic-Record-Area NOT= sky).

[1252] W03 About starting, it is Output-A. It is going to form significance in the word of logic-Record. A mixture flag setup is as follows.

[1253]

Before a setup After [a setup] Output-A-Body->Input-X Being un-intermingled. Non-intermingled   Output-A-Header->Input-X   Being   un-intermingled. Non-intermingled   Output-A-Header->Input-Y   Being   un-intermingled. Non-intermingled Output-A-subtotal -> [Input-X] Being un-intermingled. Non-intermingled Output-A-sum total -> Input-X Being un-intermingled. About non-intermingled Output-A-Body, since it is (= sky), self-generation is carried out from an Input-X field. About Output-A-Header, although it is (= sky), since it is (Header-Work NOT= sky), self-generation is not carried out. Since Output-A-Body->Input-X has not been intermingled about an Output-A-subtotal, the total from the word of Input-X is carried out. Since Output-A-Body->Input-X has not been intermingled about the Output-A-sum total, the total from the word of Input-X is carried out. Since neither has been intermingled about the effective mixture flag in the processing   path   (W04:A->W02:X->W03)   among   Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total and effective mixture flag Output-A-Header->Input-Y has not been intermingled in a processing path (W04:A->W02:Y->W03), a recovery chain is carried out. W04: Start A.

[1254] W04: About A starting, significance is materialized in all the words of Output-A-Body. File-Write [File-Write / Output-A-Body] since high Output-A-Header of output priority has not output required an output settled, and an Output-A-subtotal and the sum total.

[1255] About Data-Area-Clear, since File-Write [Output-A-Body-Area], it is Clear(ed). Since   File-Write   [Output-A-Header-Area   ],   it   does   not   Clear.   Since

Input-X-logic-Record-Area is in Output-A-logic-Record and the condition of not being intermingled, it Clear. Since Input-Y-logic-Record-Area is in Output-A-logic-Record and the condition of not being intermingled, it is Clear(ed).

[1256] About the mixture flag Clear, since File-Write [Output-A-Body->Input-X], it is Clear(ed).

[1257] Since neither has been intermingled about the effective mixture flag in the processing path (W04:A->W02:X->W03) among Output-A-Body->Input-X, Output-A-Header->Input-X, Output-A-subtotal ->Input-X, and the Output-A-sum total and effective mixture flag Output-A-Header->Input-Y has not been intermingled in a processing path (W04:A->W02:Y->W03), W02:X is started.

[1258] W02: File-Read [starting / X / Input-X-logic-Record] since it is (Input-X-logic-Record-Area= sky).

[1259] Next, the execution condition of each operation element explains that what is necessary is just to specify how.

[1260] 379 is a conceptual diagram for explaining the operation element of drawingW02 pallet.

[1261] it is shown in this drawing -- as -- W02 pallet -- two pieces, W02:X and W02:Y, -- it is . W02: The operation element (File-Open, File-Read, File-Close) concerning [X] initial processing and Input-X, processing path decision: Specify an operation element. W02: The operation element (File-Open, File-Read, File-Close) concerning [Y] initial processing and Input-Y, processing path decision: Specify an operation element.

[1262] File-Open processing and File-Close processing are prepared for every definition object. File-Read processing is prepared per logic-Record. It is also possible to consider that "two or more logic-Record(s)" is "one logic-Record", and to acquire them collectively according to the conditions of a definition object. At this time, Read of two or more logic-Record is performed from the contents of an operation of a File-Read operation element. It is necessary to apply the unit it was considered that was "one logic-Record" to all the operation elements that act per logic-Record.

[1263] The operation element which determines the processing path of W02 pallet specifies "degree pallet" according to a processing line route map. a processing path -- three kinds of W03 pallet of termination, a continuation chain (W04 pallet of the following processing path is specified), and the processing path of self -- it is . In the example given previously, W03 pallet of termination and the processing path of self exists, and a continuation chain does not exist. In the computer, as shown in drawing 380, it is moving.

[1264] In the same example, the operation element of W03 pallet comes to be shown in

Fig. 381 thru/or 384.

[1265] Namely, as shown in this drawing, as for five pieces and a mixture flag setup, at least the contents of an output logic-Record comparison exist, and, as for two phase-operation elements, as for a phase-operation element, at least five pieces and input logic-Record exist.

[1266] Here, it is the mixture judging of Output-A-Header->Input-Y >(Output-A-Header->Input-Y) = (Input-Y)

It carried out. An Output-A-Header name is for forming significance, when it becomes mixture criteria.

[1267] (Output-A-Header->Input-Y)=(Input-Y)

If it carries out, significance will not be formed eternally.

[1268] W03 field of Input-Y, W02 field, and Data-Area-Clear conditions are as follows. That is, mixture (Output-A-Header->Input-Y) =FalseInput-Y-Read conditions are as follows. That is, since it is not carried out since it is Input-Y-W02 field = sky (Input-Y-W02 field NOT= sky) (Input-Y-Read), and new Data is not acquired, it is not set to (mixture (Output-A-Header->Input-Y) =False).

[1269] The operation element for it is prepared to check the list of purpose event (Input) logic-Record.

[1270] Drawing 385 is a conceptual diagram for explaining this point.

[1271] The contents (Output-A-Body->Input-X) of a comparison and the contents (Input-X) of a comparison which were prepared in order to judge mixture are compared to check it the ascending order of Key-B and A for Sequence of Input-X-logic-Record, as shown in this drawing. The contents (Output-A-Header->Input-Y) of a comparison and the contents (Input-Y) of a comparison which were prepared in order to judge mixture are compared to check it the ascending order of Key-B and A for Sequence of Input-Y-logic-Record.

[1272] The logical element of purpose event (Output) logic-Record of W03 field is specified as shown in Fig. 386 and 387.

[1273] As shown in this drawing, purpose event (Input) logic-Record presupposes that the input logic-Record phase (W02 field -> W03 field) is substituted.

[1274] Assignment of the "empty" (= the execution condition of self-generation) of a subtotal and the sum total has added (mixture (Output-A-Body->Input-X) =False). Since two or more logic-Record(s) of Identitas Key exist, Input-X logic-Record is for making in agreement the timing to which an Output-A-Body logic-Record word forms significance, and the timing which subtotal / sum total word totals. W03 Processing path decision of a pallet: An operation element comes to be shown by drawing 388.

Processing path decision: When an operation element specifies degree pallet, as shown in drawing 389, it is moving in the computer.

[1275] Since there is only one purpose event (Output) as shown in this drawing, there is only one W04 pallet. Therefore, degree pallet will specify W04:A on any chain. From here to processing path decision: It can be said that there **** one operation element and its execution condition is also good as "unconditionedness." However, it has a view of an execution condition above. By that, also when complicated, a correct answer can be drawn.

[1276] The operation element of W04 pallet comes to be shown by drawing 390 in the example given previously. As shown in this drawing, since it is one four purpose event (Output) logic-Record(s)+Page-Change, about File-Write, File-Write processing is prepared per logic-Record. According to the conditions of a definition.object, it can consider that "two or more logic-Record(s)" is "one logic-Record", and they can also be outputted collectively. At this time, Write of two or more logic-Record is performed from the contents of an operation of a File-Write operation element. It is necessary to apply the unit it was considered that was "one logic-Record" to all the operation elements that act per logic-Record.

[1277] Data-Area-Clear -- two purpose event (Input) logic-Record(s), four purpose event (Output) logic-Record(s), and a mixture flag -- it attaches clear and becomes five mixture flags.

[1278] File-Open processing and File-Close processing are prepared for every definition object. File-Write: As for an execution condition, significance should be materialized in all the words of 1. purpose event (Output) logic-Record. (File-Write-Request=True)

2. finishing [an output of high logic-Record of the priority of File-Write] when two or more logic-Record exists in the purpose event (Output) -- it is .

[1279] It comes out.

[1280] Priority comes to be shown by drawing 391 in the example given previously. This has described the priority when seeing a row from a column.

[1281] Output-A-Header-Write has the operation which Write(s) after operation [which Write(s) after Page-Change], beginning, and Output-A-subtotal / sum total-Write. It has a Header-Work-Write flag for Header-Work for the contents preservation of Header, and an Output-A-Body-Write check. Two kinds of operations are decomposed and prepared for two operation elements.

[1282] Drawing 392 is a conceptual diagram for explaining this situation.

[1283] As shown in this drawing, Output-A-Body-Write fills the conditions of "finishing [Output-A-Header-Write   ]"   with   (Header-Work-Write=True).

(Header-Work-Write=True) is set up by two Output-Header-Write. (Header-Work-Write=False) is set up in an Output-A-subtotal and the sum total.

[1284] Next, Data-Area-Clear: Explain an operation element.

[1285] Fig. 393 and 394 is a conceptual diagram for explaining a Data-Area-Clear:operation element.

[1286] As shown in this drawing, purpose event (Output) logic-Record is Data-Area-Clear, and when applicable logic-Record is Write(d), it performs Data-Area-Clear of W04 field in order to form new significance, since the significance materialized to W04 field of applicable logic-Record was outputted. Since W03 corresponding field was seen from W04 field and finished the duty as the starting point, it performs Data-Area-Clear.

[1287] Next, purpose event (Input) logic-Record:Data-Area-Clear is explained.

[1288] Drawing 395 is a conceptual diagram for explaining purpose event (Input) logic-Record:Data-Area-Clear.

[1289] As shown in this drawing, when all mixture with purpose event (Input) logic-Record to appearance-event (Output) logic-Record is False(s), it judges that the word in W03 field of purpose event (Input) logic-Record finished the duty which the word of purpose event (Output) logic-Record uses as the starting point, and Data-Area-Clear is performed. Since W02 corresponding field was seen from W03 field and finished the duty as the starting point, it performs Data-Area-Clear.

[1290] Next, a mixture flag clear:operation element is explained.

[1291] drawing 396 -- mixture flag clear: -- it is a conceptual diagram for explaining an operation element.

[1292] As shown in this drawing, only the number of purpose event (Output) logic-Record(s) prepares an operation element. In a previous example, purpose event (Output) logic-Record is four pieces. Since purpose event (Output) logic-Record was outputted, it will be necessary to form new significance in the word of outputted purpose event (Output) logic-Record. Since the mixture condition of a significance formation judging lost semantics, it is Clear(ed) (it is made an initial state).

[1293] next, a Write flag -- it attaches clear and explains.

[1294] Drawing 397 is a conceptual diagram for explaining Write FURAGUKURIYA.

[1295] Since a Write flag is referred by other operation elements as shown in this drawing, it arranges at the last of other operation elements except a processing path decision:operation element. A File-I/O completion flag is Clear(ed) among the contents of [Control BOX] (it is made an initial state). If required, File-I/O-Status, File-I/O-Error, File-I/O-Counter, and logic-Record-I/O-Counter will be made into an initial state.

[1296] Processing path decision of W04 pallet: An operation element comes to be shown by Fig. 398 thru/or 402.

[1297] Processing path decision of W04 pallet: When an operation element specifies degree pallet, as shown in this drawing, operate in a computer. The following pallet which an operation element shows is W02-X or W02-Y. It judges which pallet should be shown at which time by whether a recovery chain, a duplication chain, and a multiplex chain happen in which case.

[1298] If the processing line route map in a previous example is based on an understanding, it can also describe the structure of "T1" as follows.

[1299] As timing of the definition object handling which the operation element about the treatment of a definition object takes charge of, it becomes significance formation of a word, significance formation of logic-Record, Output to a definition object, and Data-Area-Clear about the purpose event (Output). These are mixture conditions with the purpose event (Input) used as a starting point word. About the purpose event (Input), it becomes Input from a definition object, and Data-Area-Clear.

[1300] The conditions of a definition object are set up as follows.

[1301] That is, about the purpose event (Output-A), they are one Output-A, four logic-Record(s), and one W04:A pallet. About Body, significance is formed in one Input-X. About Header, significance is formed from the contents of a word of Input-X and Input-Y. About a subtotal, they are Input-X same Key-B and A. Significance is formed from N affair. About the sum total, it is Input-X same Key-B. Significance is formed from N affair.

[1302] On the other hand, about the purpose event (Input), it is Input-X. They are one piece, one logic-Record : one Input-Y, one logic-Record, and one W02:XY pallet. It considers as the definition object with which logic-Record is located in a line in order of Key-B and A about Input-X, and the definition object with which logic-Record is located in a line in order of Key-B and A about Input-Y.

[1303] As shown in drawing 403, a processing line route map can also be described being able to use the pallet treating the purpose event (Input) as one piece.

[1304] In this drawing, it becomes as mixture conditions.

[1305] Animation-1 when one piece describes a processing line route map for W02 pallet is shown in Fig. 404 and 405.

[1306] Animation-2 when one piece describes a processing line route map for W02 pallet are shown in Fig. 406 and 407.

[1307] Output / input timing of purpose event (Output/Input) logic-Record is shown by the execution condition of an operation element. It is included in the conditions of

whether it is finishing's [a logical element and an operation element / activation] processing control of a pallet within each pallet.

[1308] About W04 pallet, when operation elements increase in number by operating processing business, **** of processing is increased according to the increasing processing.

[1309] for example, the case of a termination judging -- "termination" -- "True" -- "-- or -- " -- About "True", "&", and "logical element processing" "True", "&", ["processing / initial"] About "File-Open operation element processing", "True", "&", About "File-Write operation element processing", "True", "&", About "True", "&", and "Data-Convert processing" "True", "&", ["processing / Message"] About "Output/Input-Area-Clear processing", "True", "&", About "True", "&", and "outputted flag clear processing" "True", "&", ["processing / mixture flag clear"] You may make it increase [processing / "True", "&", and / "processing path decision operation element processing"] **** of processings, such as "True", about "File-Close processing."

[1310] Moreover, you may make it increase **** of processings, such as "False", about "initial processing" in initial processing.

[1311] Moreover, you may make it increase [processing / "True", "&", and / "logical element processing"] **** of processings, such as "False", about "initial processing" in logical element processing.

[1312] Moreover, you may make it increase **** of processings of "True", "&", and "File-Open" about "True", "&", and "logical element processing", such as "False", about "initial processing" in "File-Open."

[1313] Moreover, you may make it increase ["processing / initial"] **** of processings of "True", "&", and "File-Write" about "True", "&", and "File-Open", such as "False", about "True", "&", and "logical element processing" in "File-Write."

[1314] Moreover, you may make it increase ["processing / initial" / processing / "True", "&", and / "logical element processing"] **** of processings of "True", "&", and a "Message output" about "True", "&", and "File-Write", such as "False", about "True", "&", and "File-Open" in the case of a "Message output."

[1315] In moreover, the case of "Output/Input-Area-Clear processing" About "True", "&", and "logical element processing" "True", "&", ["processing / initial"] About "True", "&", and "File-Write" "True", "&", ["File-Open"] You may make it increase [processing / "True", "&", and / "Output/Input-Area-Clear processing"] **** of processings, such as "False", about a "Message output."

[1316] In "mixture flag clear processing", about "initial processing" Moreover, "True", "&", About "True", "&", and "File-Open" "True", "&", ["processing / logical element"]

About "True", "&", and a "Message output" "True", "&", ["File-Write"] You may make it increase [processing / "True", "&", and / "mixture flag clear processing"] **** of processings, such as "False", about "Output/Input-Area-Clear processing."

[1317] In "outputted flag clear processing", about "initial processing" Moreover, "True", "&", About "True", "&", and "File-Open" "True", "&", ["processing / logical element"] About "True", "&", and a "Message output" "True", "&", ["File-Write"] You may make it increase **** of processings of "True", "&", and "outputted flag clear processing" about "True", "&", and "mixture flag clear processing", such as "False", about "Output/Input-Area-Clear processing."

[1318] In "File-Close processing", about "initial processing" Moreover, "True", "&", About "True", "&", and "File-Open" "True", "&", ["processing / logical element"] About : "True", "&", and a "Message output" "True", "&", ["File-Write"] About "Output/Input-Area-Clear processing", "True", "&", You may make it increase **** of processings of "True", "&", and "File-Close processing" about "True", "&", and "outputted flag clear processing", such as "False", about "mixture flag clear processing."

[1319] In "processing path decision processing", about "initial processing" Moreover, "True", "&", "logical element processing" -- "True", "&", and "File-Open" -- collapsing -- "True" and "&" -- About "True", "&", and a "Message output" "True", "&", ["File-Write"] About "Output/Input-Area-Clear processing", "True", "&", About "True", "&", and "outputted flag clear processing" "True", "&", ["processing / mixture flag clear"] You may make it increase [processing / "True", "&", and / "processing path decision processing"] **** of processings, such as "False", about "File-Close processing."

[1320] In "EXIT processing", about "initial processing" Moreover, "True", "&", About "True", "&", and "File-Open" "True", "&", ["processing / logical element"] About "True", "&", and a "Message output" "True", "&", ["File-Write"] About "Output/Input-Area-Clear processing", "True", "&", About "True", "&", and "outputted flag clear processing" "True", "&", ["processing / mixture flag clear"] You may make it increase [processing / "True", "&", and / "processing path decision processing"] **** of processings, such as "True", about "File-Close processing."

[1321] Also about W02 pallet, when operation elements increase in number by operating processing business, **** of processing is increased according to the increasing processing.

[1322] for example, the case of a "termination judging" -- "termination" -- "True" -- "-- or -- " -- About "True", "&", and "logical element processing" "True", "&", ["processing / initial"] About "File-Open operation element processing", "True", "&", About "Data-Convert processing", "True", "&", You may make it increase **** of processings of

"True", "&", and "processing path decision operation element processing" about "True", "&", and "File-Close processing", such as "True", about "File-Read operation element processing."

[1323] Moreover, you may make it increase **** of processings, such as "False", about "initial processing" in "initial processing."

[1324] Moreover, you may make it increase **** of processings, such as "False", about "True", "&", and "logical element processing" in "logical element processing" (for example, "initial processing").

[1325] Moreover, you may make it increase **** of processings of "True", "&", and "File-Open" about "True", "&", and "logical element processing", such as "False", in "File-Open" (for example, "initial processing").

[1326] Moreover, you may make it increase **** of processings of "True", "&", and "File-Convert processing" about "True", "&", and "File-Open", such as "False", about "True", "&", and "logical element processing" in "File-Convert processing" (for example, "initial processing").

[1327] Moreover, you may make it increase [processing / "True", "&", and / "logical element processing"] **** of processings of "True", "&", and "File-Read processing" about "True", "&", and "File-Convert processing", such as "False", about "True", "&", and "File-Open" in "File-Read processing" (for example, "initial processing").

[1328] Moreover, you may make it increase [processing / "True", "&", / "logical element processing" / File-Open / "True", "&" and "File-Open" / **** of processings of "True", "&", and "File-Close processing" about "True", "&", and "File-Read processing", such as "False", about "True", "&", and "File-Convert processing" in "File-Close processing" (for example, "initial processing").

[1329] In "processing path decision processing" (for example, "initial processing"), moreover, "True", "&", About "True", "&", and "File-Open" "True", "&", ["processing / logical element"] About "True", "&", and "File-Read processing" "True", "&", ["processing / File-Convert"] You may make it increase [processing / "True", "&", and / "processing path decision processing"] **** of processings, such as "False", about "File-Close processing."

[1330] In "EXIT processing" (for example, "initial processing"), moreover, "True", "&", It collapses to "True", "&", and "File-Open" about "logical element processing". "True", "&", About "True", "&", and "File-Read processing" "True", "&", ["processing / File-Convert"] You may make it increase [processing / "True", "&", and / "processing path decision processing"] **** of processings, such as "True", about "File-Close processing."

[1331] Moreover, also about W03 pallet, when operation elements increase in number by

operating processing business, **** of processing is increased according to the increasing processing.

[1332] for example, the case of a "termination judging" -- "termination" -- "True" -- "-- or -- " -- You may make it increase ["processing / initial"] **** of processings of "True", "&", and "processing path decision operation element processing" about "True", "&", and "processing" besides mixture flag setting -, such as "True", about "True", "&", and "logical element processing."

[1333] Moreover, you may make it increase **** of processings, such as "False", in "initial processing" (for example, "initial processing").

[1334] Moreover, you may make it increase **** of processings, such as "False", about "True", "&", and "logical element processing" in "logical element processing" (for example, "initial processing").

[1335] Moreover, you may make it increase **** of processings of "True", "&", and "processing" besides mixture flag setting - about "True", "&", and "logical element processing", such as "False", in "processing" besides mixture flag - (for example, "initial processing").

[1336] Moreover, you may make it increase **** of processings of "True", "&", and "processing path decision processing" about "True", "&", and "processing" besides mixture flag setting -, such as "False", about "True", "&", and "logical element processing" in "processing path decision processing" (for example, "initial processing").

[1337] Moreover, you may make it increase **** of processings of "True", "&", and "processing path decision processing" about "True", "&", and "processing" besides mixture flag setting -, such as "True", about "True", "&", and "logical element processing" in "EXIT processing" (for example, "initial processing").

[1338] (12) The formation processing line route map of a static structure will be uniquely determined by five sorts of mark regulations, if definition object identifiers (a screen, a curtain table, file, etc.) are given (drawing 97). if, as for drawing 98, a screen is given -- a processing line route map -- the most important -- being decided -- a processing line route map -- the base -- it means that logic is decided by the unit of one step. and this base -- the same function will be created as it is prescribed by the conventional program if a logic group is returned by the computer (RUN).

[1339] Drawing 98 means that W03 pallet which appears in the processing line route map drawn based on a screen forms the correspondence relation of 1 step unit between a screen, a pallet function, a phase element, or a logical element. It can be said that it is the result of the LYEE theory which that such structure is materialized also requires for this invention. This relation is similarly materialized about W02 and W04 pallet. This

structure is the proof of LYEE forming the static structure.

[1340] (13) The "word" in conceptual this invention of "word" means "the unit which forms significance." Significance does not exist according to a situation or a thing is chosen as a word. Conversely, if it says, what does not change with situations shall not be taken as a word. What is necessary is to define the decided word, and just to opt for self-generation, moving a screen, if the word which determines a processing path is clear even if all words were not decided. And what is necessary is just to perform addition and deletion of a word further, looking at a screen.

[1341] Since this invention (Lyee) is treating the significance of a word, it is very important to grasp clearly "what is a word." Even if it considers abstractly "the unit which forms significance", an answer does not have an appearance lever. A "word" usually exists in definition objects, such as a screen, a document, DataBase, File, and communication link wording of a telegram. When treating "significance" in a computer, existence of significance will be judged in existence of a data value.

[1342] It depends for the "unit" of "the unit which forms significance" on "how to catch significance." What is necessary is just to consider how to catch significance as existence of a data value generally. Usually, the places in which a data value does not exist in a definition object are a "data field" and a "function key", and are equivalent to a word.

[1343] As shown in an appointment book, case, the mesh cut [in / time amount and / for an operation item / the axis of ordinate] length and horizontally is made. [an axis of abscissa] A word (unit which forms = significance), and Lycium chinense can do each of this mesh. When all the parameters that perform simulation of a schedule have significance in one mesh and it catches the set of a parameter per mesh, it is the basis that the set of a mesh (= word) which expresses significance with the set of a parameter is the appointment book made into the purpose.

[1344] As an actual problem, although "the unit which forms word = significance" can raise many classes, it continues explanation centering on the definition object treated by the usual business applications.

[1345] For example, on the commission place information registration screen of drawing 99, inner Enter-Key (activation) of the function key on the bound place and a keyboard and F3-Key correspond to a word. It does not pass over what is expressed in the "commission place code", the "commission place name", and the alphabetic character to that the contents of the word explain something to be, but is not a "word" but a mere display here.

[1346] For example, a commission place registration screen defines Input-Area:ID=F100PFRD of commission place information for the word of

DataBase:ID=F100PF among drawing 100 and the definition object of drawing 101, and commission place information defines Output-Area:F100PFWT of commission place information for the word of ID=G10001.

[1347] A thing as shown in others at drawing 55 thru/or drawing 60 corresponds to a "word."

[1348] It can be said that information-system development of this invention (Lyee) is an activity which completes the synchronous structure of forming a synchronization as shown in Fig. 102 thru/or 104. A processing line route map specifies the "processing path = synchronous path" and "the element for a synchronization" to complete. Then, the pallet specified by the processing line route map will be prepared, and it will be said that what is necessary is just to expect the element for a synchronization on the pallet.

[1349] if LyeeALL specifically defines a word in the case of GUI as shown in the tool 105 which applies this invention, for example, drawing, and drawing 106 ·· automatic ·· a data area and the base ·· arrangement of logic is performed. A pallet name and ID define the pallet described by the processing line route map (Fig. 107 thru/or 111), the identifier and attribute of a screen word which are treated by W02 pallet are defined, and the operation element which determines a processing path is arranged.

[1350] The identifier and attribute of a screen word to treat are defined, W03 pallet defines the identifier and attribute of a DataBase word to treat, and Input-Area and Output-Area classify and define by it.

[1351] here ·· being careful ·· I hear that only define a word identifier and an attribute when DataBase is already decided, temporary placing of the word of a screen and a document is carried out to the word of DataBase as it is when DataBase is not yet decided, and the operation element which determines a processing path is arranged, and it is.

[1352] W04 pallet defines the identifier and attribute of a screen word to treat, and the operation element which determines a processing path is arranged.

[1353] Actuation within a computer is guaranteed by doing in this way.

[1354] the data area of a result which defined the word identifier here, and the base ·· arrangement of logic and an operation element becomes as it is shown in drawing 112.

[1355] Although only the action which refers to DataBase is allowed by W02 and W04 pallet as shown in this drawing, the operation element of DataBase:Input-Area and Input is then arranged.

[1356] The definition of a screen word is explained.

[1357] Since "the screen word identifier received by W02 pallet" and the "word identifier edited and displayed by W04 pallet" were the same screens, front drawing secured the

data area of a screen word identifier to W02, W03, and W04 each pallet by the screen and 1:1. However, when it is made [whose target thing is] like the communication link wording of a telegram instead of a screen, "the word identifier received by W02 pallet" and "the word identifier edited by W04 pallet" cannot conclude that it is the same. Then, it is necessary for the target thing to consider something.

[1358] The target thing inputs the contents of A, and I hear that it wants the contents of B, and there is. The contents of input and contents needed are pointed out and it is called the purpose event. If it carries out, W02 pallet will receive the contents of input of the purpose event.

[1359] W04 pallet is edited so that the purpose event may be suited.

[1360] Thus, it can think. A processing line route map in case the input and output of the purpose event are a different thing becomes as it is shown in drawing 113.

[1361] As shown in this drawing, when the input and output of the purpose event differ from each other, it is necessary to classify and show clearly, and it is necessary to also classify and specify a word identifier. Since the input and output of the purpose event are the same when a screen is the purpose event, it can be said that it was good by description of a processing line route map and the method of a definition of a word identifier which were explained until now.

[1362] Then, below, a word identifier, a data area, etc. in case the input and output of the purpose event differ from each other consider that what becomes.

[1363] if it defines, one, for example, LyeeALL, of the tool concerning this invention, -- automatic -- a data area and the base -- arrangement of logic is performed. A pallet name and ID define the pallet described by the processing line route map, the identifier and attribute of a word of the purpose event input are defined as W02 pallet, and the operation element which determines a processing path is arranged.

[1364] Defining the identifier and attribute of the purpose event input word as W03 pallet, and, defining the identifier and attribute of the purpose event output word on the other hand, defines the identifier and attribute of a DataBase word to treat. At this time, Input-Area and Output-Area classify and give a definition.

[1365] here -- being careful -- when DataBase is already decided, a word identifier and an attribute are only defined, and when DataBase is not yet decided, I hear that temporary placing of the word of a screen and a document is carried out to the word of DataBase as it is, and the operation element which determines a processing path is arranged, and it is.

[1366] Moreover, the identifier and attribute of the purpose event output word are defined as W04 pallet, and the operation element which determines a processing path is

arranged.

[1367] The operating environment within a computer is prepared by doing in this way.

[1368] Fig. 114 thru/or 123 is drawing explaining the contents of the software prepared by doing in this way, and the method of operation.

[1369] the data area of a result which defined the word identifier, and the base ·· arrangement of logic and an operation element becomes as it is shown in front drawing.

[1370] In the above-mentioned explanation, treatment whose data area of the word identifier which each pallet treats is the same as the data area of the purpose event itself has been carried out. However, each is another data area in fact.

[1371] Then, it explains per view in such a case below.

[1372] In order that the logical element of each pallet may form significance in the word identifier of the buffer area for performing input of the purpose event, and output, the input of the purpose event, and output, there is a data area which classifies and has the data area of a word identifier for every pallet. It may classify clearly or it may be necessary to classify with a compiler property.

[1373] In the case of language like Visual-Basic and Delphi, he leaves it to what the compiler prepared, and a screen object (example: Form-Object) is the purpose event input output to the pallet chain function of synchronous structure. It may be better not to give mapping with a buffer and the data area which a pallet treats. When such, mapping will be prepared with an operation element. Specifically, it becomes a thing like the operation element which carries out the phase of the data to the purpose event output from the operation element W04:W04 word identifier area which carries out the phase of the data from the W02:purpose event input to W02 word identifier area.

[1374] Also about the input of DataBase, and output, it is the same, and the word identifier and logical element which an input buffer, an output buffer, and a pallet treat are classified clearly, and DataBase:input area DataBase:output area DataBase:word identifier area and a logical element are defined. DataBase: Input and output Read DataBase and are an operation element which Write(s). The form which has arranged the operation element becomes as it is shown in front drawing.

[1375] The procedure of an activity of expecting the element for the synchronization with a processing line route map is as follows.

[1376] However, it is rare that the matter required for the system development was clearly decided when furthering the system development, and a matter required for the system development must be decided, but is not decided so simply, either. Performing the system development to the regular place, if not decided simply, an irregular matter needs to take the attitude that I have you decide by addition after that.

[1377] 1. Create the processing line route map of a screen and a document.

[1378] 2. Define the word of a screen and a document. (Even if there is an irregular word, addition and deletion can be performed later.)

3. Make the operation element which determines a processing path.

[1379] (The program of a screen and a document will move at this time.)

4. Looking at the screen which is moving, check self-generation and input on that spot.

[1380] (For example, if 1LyeeALL of a tool is used, the program source reflecting the inputted self-generation can be created easily, and self-generation can be changed, looking at the screen reflecting self-generation.) Furthermore, the program source reflecting an addition and deletion of a word can also be created in GUI.

5. Since an addition and deletion of a screen and a document are an addition and deletion of rating, it establishes a limit.

[1381] 6. Assignment, a check, and modification of an addition and deletion of the word of a screen and a document, and self-generation prepare the count of modification made into a limit. It prevents becoming unrestricted by establishing a limit.

[1382] As explained above, unless it decides what should be decided, it does not become system development completion. however, the attitude "which does not attach a hand to development since it might not be decided" -- not but -- "-- development is finished up to the regular place. please decide what the back. the attitude clearly indicated to be " -- "-- the required program is made of when what should be decided is decided. " -- ** -- it is important to take an attitude to say. Development not only becomes possible, but is being able to cope with various kinds of failures flexibly quickly far by doing so.

[1383] In addition, the method of software automatic generation using the above-mentioned LyeeALL is shown in Fig. 124 thru/or 139 by screen correspondence of a tool.

[1384] (-- the concept "an equivalence word" of 14) "an equivalence word" means the logical element added by what significance = self-generation shown according to conditions is made scattering by the set of a condition and self-generation, and "only the number of two or more significance prepares a self-generation = logical element for" when the number of the significance shown in coincidence is one although the word has two or more significance.

[1385] For example, supposing conditions and self-generation have become as it is shown in drawing 140, a condition and self-generation will be made scattering by the set. It divides into three self-generation, and since three pieces and self-generation are one self-generation by three pieces, conditions make four self-generation of logical element =4 piece from this example, when it is except three conditions. At this time, the

number of the data areas of a word is one, and four logical elements turn into an element which forms significance to one data area. The logical element materialized in coincidence = self-generation is that of a rope uniquely and becomes possible [such a thing]. If it does in this way, maintenance will easy-ize very much. It is because an addition and deletion of "conditions and self-generation" set and change to an addition and deletion of an "equivalence word."

[1386] Next, the "empty" in the case of an "equivalence word" is considered.

[1387] Self-generation is an operation which forms significance in a word. There is "empty" on the flow chart of a logical element as an execution condition of self-generation. He has sensibility with strange conditions entering to self-generation because an execution condition is further attached to the execution condition of self-generation.

[1388] If a front example is taken, it has become as it is shown in Fig. 141 and 142.

[1389] As shown in this drawing, when such, all execution conditions are included and it sets with "the execution condition of "empty" = self-generation." And let "the execution condition of "empty" = self-generation", and the form where it set be "equivalence words."

[1390] The operation to "self-generation" which a processing path specifies suggests that two or more self-generation of the word arranged at the pallet exists. When two or more self-generation exists in the same word, each self-generation is realized with an "equivalence word." For example, it explains what it becomes based on the processing line route map (drawing 144) of a commission place information registration screen (drawing 143).

[1391] The path which has come out of W02 pallet as shown in this drawing is 6 path ****. This suggests that there are six kinds of operations which determine a path. Moreover, an operation of the path to W03 pallet is 4 path ****. This suggests that there is a maximum of four kinds of self-generation of W03 logical element of the word of a commission place information registration screen. Moreover, the path which has come out of W03 pallet is 7 path ****. This suggests that there are seven kinds of operations which determine a path. Furthermore, the path to W04 pallet is 9 path ****. This suggests that there are a maximum of nine kinds of operations to W04 logical element of the word in W04.

[1392] Furthermore in drawing 144, ":continuation F3: Returning" among six paths which have come out of W02 pallet It routes with 3WF02 logical element. Word : "Input classification failure:continuation", About five of "activation + (input classification = 1)", "activation + (input classification = 2)", "activation + (input classification = 3)", and

"activation + (input classification = 4)", since it is the processing path decided by the combination of two words, word:activation and word:input classification, it routes with an operation element.

[1393] In this drawing, moreover, as an operation to W03 pallet (The inside of the main operations, the "date", "time of day", "input classification", a "commission place cord", a "commission place abbreviated name", a "commission place name", a "English name" and "activation", and "F3"), Both "activation + (input classification = 1)" "activation + (input classification = 2)" "activation + (input classification = 3)" and "activation + (input classification = 4)" have an operation of a "commission place abbreviated name", a "commission place name", and a "English name."

[1394] Moreover, among this drawing, although seven paths which have come out of W03 pallet have suggested the operation element which determines a path, the operation element of a commission place information addition serves as :continuation at the time of :new and failure at the time of formation at the time of activation + (input classification = 1). The operation element of commission place information correction serves as :continuation at the time of :new and failure at the time of formation at the time of activation + (input classification = 2). The operation element of commission place information deletion serves as :continuation at the time of :new and failure at the time of formation at the time of activation + (input classification = 3). the time of activation + (input classification = 4) -- the operation element of a commission place information reference -- formation - abortive -- all serve as :continuation.

[1395] Moreover, among this drawing, although W04 pallet suggests existence of the operation element at the time of first time starting and "suggests from an asset-management menu" the operation (self-generation using the word in = asset-management menu W02 as the starting point) to W04 logical element as an operation to W04 pallet, it does not exist in this example. In "input classification failure", the operation to W04 logical element does not exist in this example. "The operation element of the commission place information addition which activation + (input classification = 1) solves" serves as :continuation at the time of :new and failure at the time of formation, and the operation to W04 logical element does not exist in this example. "The operation element of the commission place information correction which activation + (input classification = 2) solves" serves as :continuation at the time of :new and failure at the time of formation, and the operation to W04 logical element does not exist in this example. "The operation element of the commission place information deletion which activation + (input classification = 3) solves" serves as :continuation at the time of :new and failure at the time of formation, and the operation to W04 logical

element does not exist in this example. "the operation element of the commission place information reference at the time of activation + (input classification = 4)" -- formation · abortive -- all serve as continuation and the operation to W04 logical element does not exist in this example.

[1396] Next, the operation to the logical element of a DataBase word is considered about an equivalence word.

[1397] Suppose that DataBase on a processing line route map is "commission place information." If the word, the operation to W03 pallet and the DataBase:Input word, and DataBase:Output word in "commission place information" are arranged, it will become as it is shown in front drawing. A screen means a commission place information registration screen among description, and DB means XX word in a DataBase:Input word.

[1398] When treating DataBase and File, as a definition (DataBase, Input-Output Buffer Area of File Record) of DataBase, DataBase used for R/W of File, and File, the area of DataBase which W03 pallet treats, and a File word is divided into the word in connection with Input, and the word in connection with Output, and is secured two kinds. The above-mentioned DataBase:Input word, a DataBase:Output word, ** DataBase and File It classifies with Buffer-Area of Read-Write, and secures separately. These are the word area of DataBase and File.

[1399] A DataBase:Input word is a word "to refer to", in order that the word of a screen and a document and a DataBase word may form significance within W03 pallet. There is a DataBase:Output word in order to make DataBase memorize the screen and document, and DataBase word which form significance within W03 pallet.

[1400] In the above-mentioned example, a DataBase:Output word receives an operation at the time of the path of input classification =1 (new registration), and 2 (correction) and 3 (deletion). A DataBase:Input word receives an operation at the time of the path of input classification =4 (reference). This is that the processing line route map shows. Although the "commission place information" DataBase is read and written, it is shown in the processing line route map. Self-generation is required only for a DataBase:Output word and a DataBase:Input word carries out the phase of the result of DataBase:Read the whole Record. According to an operation, it is important whether it changes whether the contents of self-generation of a DataBase:Output word change, and a result becomes as above-mentioned.

[1401] The starting points of a DataBase:Output word are the same (word of the screen and document in a range of synchronization), and a (DataBase:Input word). According to an operation, when self-generation differs, it is made an "equivalence word" and

self-generation is specified. There is no equivalence word in this example.

[1402] Next, "the edit and a display" in W04 logical element are considered.

[1403] W04 logical element -- "-- if it is not "sky" and = significance exists -- edit / display = -- it has" form where it performs making the further significance.

[1404] Fig. 145 and 146 is a flow chart to show this situation.

[1405] As shown in this drawing, a logical element treats the significance of one **, but only W04 logical element plays the role which makes the further significance, though there is no change in treating the significance of the word.

[1406] Like this example, when the word area of a screen and the word area in each pallet have dissociated clearly, it is easy to understand. That is, the display on a screen carries out "999, 999, 999, 99", comma edit, and decimal point edit, and with the word in W04 pallet, when it is "999999999. 99", in order to display on a screen, it needs to carry out comma edit and decimal point edit.

[1407] When editing, after editing "999999999. 99" -> "999, 999, 999, 99" in the word area in W04 pallet, there are both an approach of carrying out a phase to the word area of a screen and the approach of performing comma edit and decimal point edit in the word area of a screen, and carrying out a phase from the word area in W04 pallet, suddenly. It is very good in which approach.

[1408] Especially in the case of the screen word containing many properties called "control and ActiveX" like Visual-Basic and Delphi, it can say that it is easier to edit the property of "control and ActiveX" in the place of "edit and a display."

[1409] About W04 logical element, there is also a form "self-generation is performed if it is "sky" and = significance does not yet exist." Any may be used. Any are used should just determine for every system development concept.

[1410] Next, it considers per concept of the "failure" in this invention.

[1411] As already explained in full detail, at W02 logical element, the attribute check and W03 logical element are performing the judgment as a result of edit and a display with self-generation and W04 logical element. There is no concept of "formation" into these. If it thinks on the other hand, since it can say that formation is of infinite variety with what, it sets with an "indeterminate" here. It has clarified about saying that it is abortive with what. Here, it sets, saying "are materialized except failure." being careful -- I hear that it has not asked whether it is effective, and it occurs.

[1412] Now, W02 logical element: Although the attribute check of an attribute check is "whether to receive", when receiving, it escapes from a flow there, and when it cannot receive, it will go to "recovery improper ?" of a flow as it is.

[1413] W02 logical element: There is no approach of describing failure in a fixed form

(drawing 147).

[1414] W03 logical element: -- self-generation -- "-- " -- empty "= -- significance does not yet exist -- " -- since it is the operation which forms significance in a case, the conditions (self-generation was performed -- also although kicked, significance does not yet exist) as "empty" that failure is the same are applied (drawing 148).

[1415] Flag which turns "ON" W04 logical-element: "abortive FLG-ON?" with W02 and W03 logical element at the time of failure is judged (drawing 149).

[1416] Self-generation of W03 logical element becomes abortive when the contents of the starting point word "are amusing." If it uses that a starting point word will become abortive if the endpoint word using the word is set as the starting point, it can check to check the amusingness of the word.

[1417] For example, when you say, "Does the key exist in DataBase?", on the screen which displays a customer number and a customer name, a "customer name" uses a "customer number" as a key, reads a customer master, and refer to the "customer name" of a customer master for it. Endpoint word: "a customer name" uses starting point word: "a customer number" and "the customer name of a customer master." Whatever a Data value may be, if a "customer number" has some Data values, significance will exist and it will receive an attribute check. When using a "customer number" as a key and referring to a customer master, a "customer name" cannot perform self-generation, if it does not exist in a customer master, but becomes abortive. This example shows the result for which endpoint word: "a customer name" used starting point word: "a customer number."

[1418] Moreover, another example explains the case where "Whether the Data value is adaptation" is said.

[1419] if a credit card number and a personal identification number are right when using a credit card -- a credit -- the amount of money is effective. "-- a credit -- amount-of-money" performs self-generation, when "the personal identification number which the member registered", and "the inputted personal identification number" are in agreement with reference to a card member master by the number shown with a "credit card number." if the credit card number and the personal identification number differ from him at this time -- endpoint word: -- "-- a credit -- amount-of-money" becomes abortive and check-out is carried out.

[1420] the two above-mentioned examples -- "Data value -- some -- " -- it has not carried out carrying out by the joint-comparison with Data besides ", and reference", and seeing a Data value directly.

[1421] If another word is carried out, since data coupling of an endpoint word and a

starting point word will surely be performed at the time of self-generation assignment, existence of data and adaptation of data will surely be checked.

[1422] In practice, the procedure of inserting the operation element of a required related check on business is effective, making and moving a program first at the time of the system development, without "what kind of check is the need" thinking, and looking at a screen.

[1423] Next, it considers per concept of "recovery" in this invention.

[1424] Although a thing when the attribute check of a logical element, self-generation, and edit and a display move is specified without taking into consideration at all, "recovery" exists in order to make activation ranking of a logical element unrelated to significance formation, when the logical element for every word moves. That is, no matter a logical element may be performed in what sequence, the guarantee which forms significance will be offered to "recovery."

[1425] Although it is the role of a pallet to perform the logical element of a pallet again, only a logical element is made to rerun at this time.

[1426] For example, when it was the case of Fig. 150 and 151, and it has "Recovery Flag", a "MAX recovery counter", and a "recovery counter" in W02 and W03 pallet and W02 and W03 logical element are performed, "recovery Flag-ON" is performed for the "recovery counter" at the time of "1" rise and recovery directions. W02 and W03 pallet reboot [number / of "MAX recovery counters"] a logical element by the highest at the time of "recovery Flag-ON." If W02 and W03 logical element do not reboot more than a MAX recovery counter and a MAX recovery counter is exceeded, they "will fall through."

[1427] Usually, only W02 and W03 pallet "recover." In the usual business applications, since "recovery" of W02 pallet is unnecessary, it is "MAX counter =1." W03 pallet needs "to be recovered" absolutely and the MAX recovery counter specifies (3-5). Since only the word in a self-pallet and the word of W02 pallet in the same range of synchronization are made into the starting point by W04 pallet, "recovery" is unnecessary.

[1428] When W03 logical element of the word which has the relation of an endpoint word and a starting point word has been arranged at W03 pallet, in the arrangement by which a starting point word is performed previously and an endpoint word is performed later, "recovery" becomes with a zero time. In the arrangement by which an endpoint word is performed previously and a starting point word is performed later, "recovery" works effectively.

[1429] For example, if an endpoint word is previously performed at the time of an output word, a value will not be set to an endpoint word even if a starting point word performs self-generation, since the value is not yet contained. In this case, after the

logical element of an endpoint word, when the logical element of a starting point word is performed, a value is set to a starting point word. Since a value is in a starting point word shortly when a reboot starts and the logical element of an endpoint word is performed again, a value will be set to a starting point word.

[1430] (15) Explain the view in the case of applying this invention to the transplantation of a system which is carrying out current operation next about transplantation (it also being called a "withering method".).

[1431] Drawing 408 is a conceptual diagram having shown the rough procedure of the activity in the case of applying this invention to transplantation.

[1432] Drawing 409 is drawing showing the naming regulation of the identifier concerning the application to system transplantation of this invention.

[1433] Drawing 410 is drawing showing the manufacture regulation concerning the application to system transplantation of this invention. Drawing 411 is drawing for explaining the manufacture method concerning the application to system transplantation of this invention.

[1434] Drawing 412 is drawing which expresses notionally the fabrication operation concerning the application to system transplantation of this invention.

[1435] Drawing 413 is drawing for explaining how to specify file processing included by T0 concerning the application to system transplantation of this invention.

[1436] As shown in Fig. 408 thru/or 413, this invention becomes possible [transplanting setting the system which is carrying out current operation to operating status].

[1437] (16) As explained in full detail the method of the software development by this invention application, and until now [procedure], drawing 152 shows notionally the approach in the case of applying this invention to software development.

[1438] And as the procedure is drawing 153 and it is shown in Fig. 154 and 155 as the conclusion, requirements and a program will be determined with the 1 step level.

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[1439]

[Embodiment of the Invention] Hereafter, the operation gestalt of this invention is explained with reference to a drawing.

[1440] A. Operation gestalt One this paragraph explains the case where this invention is used for creation of the software concerning the system of an online system as 1 operation gestalt of this invention.

[1441] Drawing 156 is drawing showing the routing by this invention.

[1442] namely, — while determining a definition object identifier (step 101) and determining a word in this invention (step 102) — a processing line route map — creating (step 103) — the base — logical specification — collecting (step 104) — a file — determining (step 105) — the base — logic is created (step 106), a pallet function is created (step 107), and desired software is created by what is included in a pallet chain function (step 108).

[1443] If the case where the software the "sales input" for inputting the sales data in the decision, for example, a certain firm, of a definition object identifier is created is taken for an example, the screen (drawing 158) for referring to the screen (drawing 157) and customer code for inputting sales data, for example will be determined. This screen, the same person-in-charge code reference screen, a dealings partition reference screen, a claim place code reference screen, a bar code reference screen, etc. may be set up not only a customer code reference screen but if needed.

[1444] Moreover, if the case where the software the "arrival-of-goods decision input" for inputting decision of the goods arrival of goods in a certain firm is created is taken for an example, the screen (drawing 160) for referring to the screen (drawing 159) and warehouse code for inputting decision of goods arrival of goods, for example will be determined.

[1445] Moreover, if the case where the software the "shipment request chart" for outputting the chart of the goods shipment request in a certain firm is created is taken for an example, the screen (drawing 161) for carrying out output actuation of the shipment request chart, for example and the document (drawing 162, drawing 163) of the chart will be determined.

[1446] The decision of the decision word of a word is extracting all words from the above-mentioned screen and above-mentioned document which were determined.

[1447] For example, "in the screen of drawing 157 of sales input", it is "OPCD". [which is the above]

"Sales No"

"Sales partition"

"Sales day"

"Customer"

"Payment day"

"Claim place"

"Consumption tax"

"Person in charge"

"Intermediary single-engined notes No"

"Delivery-of-goods location"

"TEL"

"Note"

"Bar code"

"Quantity"

"Unit price"

"Discount"

"Amount of money"

"Trade name"

"A model and media"

"Lot number"

"Sales sum total"

"Consumption tax"

"Discount sum total"

"Total indicator"

"Activation"

"F1"

"F3"

"F4"

"F8"

omission **** — it is the word as which things were made and these were determined.

[1448] Moreover, it is "No" although not illustrated, for example in the screen of drawing 158 of above-mentioned "refer to the customer code."

"Customer"

"Customer name (abbreviated name)"

"Customer name"

"Address"

"Person in charge"

"Selection No"

"Customer name Cana"

"The old code"

"Activation"

"F12"

It is the word as which what there is ****** and was extracted from these was determined.

[1449] Moreover, it is "OPCD" although not illustrated, for example in the screen of drawing 159 of the above-mentioned "arrival-of-goods decision input."

"Warehouse code"

"H/S partition"

"Commission partition"

"Activation"

"F1"

"F3"

"F4"

It is the word as which what there is ****** and was extracted from these was determined.

[1450] "Updating"

"Order date"

"Order received No"

"Line"

"Order-received charge"

"Lot number"

"Date"

"The order No of your company"

"Instrumental"

"City"

"Shipment"

"Sales"

omission **** — it is the word as which things were made and these were determined. in addition, the base — logic — these one word — respectively — corresponding — the five bases (there are also six cases) — logic corresponds.

[1451] The creation processing line route map of a processing line route map is created based on the determined definition object identifier (a screen and document). An operator may create a processing line route map and it may be mechanized.

[1452] A processing line route map is what connected the pallet (it expresses as a box) corresponding to each screen or each document by the line, and the connection follows

the regulation of a pallet chain function. A line means a pallet chain function. If the screen and the document are determined, the connection between pallets will be decided inevitably.

[1453] Drawing 164 is a processing line route map to the above "a sales input."

[1454] 91 is a menu screen and can choose a "sales input" from a menu screen.

[1455] W04 pallet to a screen (drawing 157) for 92 to input sales data and 93 are the W02 pallet.

[1456] 94 is W03 pallet when "activation" is chosen in the screen for inputting sales data.

[1457] 95 is W03 pallet when "registration" is chosen in the screen for inputting sales data, and WFL (Work File Area)96 means the writing to a file.

[1458] W04 pallet to a screen (drawing 158) when "reference" of a "customer code" is chosen in a screen for 97 to input sales, and 98 are the W02 pallet.

[1459] When "termination" is chosen in the screen for inputting sales, it returns to a menu screen.

[1460] In each pallet, the file name (it mentions later) determined as the identification number of a screen and the dotted-line box of the lower part outside a box by the name of a screen and the lower berth in a box on the classification of a pallet and the upper case in a box at the box Sotogami section is described.

[1461] The absolute classification (R0-R5) of processing is described by the lower part of the line which connects the carbon button names ("activation", "registration", etc.) and pallet which were chosen on the front screen, and a pallet to the upper part of a line which ties a pallet and a pallet (it mentions later.).

[1462] Drawing 165 is a processing line route map to the above "an arrival-of-goods decision input."

[1463] 101 is a menu screen and can choose an "arrival-of-goods decision input" from a menu screen.

[1464] W04 pallet to a screen (drawing 159) for 102 to input decision of arrival of goods and 103 are the W02 pallet.

[1465] W04 pallet to a warehouse code reference screen (drawing 160) when "reference" of a "warehouse code" is chosen in a screen for 104 to input decision of arrival of goods, and 105 are the W02 pallet.

[1466] When "activation" is chosen in the screen for inputting decision of arrival of goods, it returns to the screen for inputting decision of arrival of goods.

[1467] When "registration" is chosen in the screen for inputting decision of arrival of goods, the writing to a file is performed through WFL(Work File Area) 106.

[1468] When "termination" is chosen in the screen for inputting decision of arrival of

goods, it returns to a menu screen.

[1469] Drawing 166 is a processing line route map to the above "a shipment request chart."

[1470] [1470] 111 is menu panel and is menu drawing. A "shipment request table" can be chosen from a field.

[1471] W04 palette to a screen (Fig. 6) for 112 to output a shipment request table and 113 are the W02 palette.

[1472] When "printing" is chosen in the screen for outputting a shipment request table, the output (printing) of a list is performed through WFL(Work File Area) 114.

[1473] When "execution" is chosen in the screen for outputting a shipment request table, return to the screen for outputting a shipment request table.

[1474] When "an end" is chosen in the screen for outputting a shipment request table, return to menu panel.

[1475] As mentioned above, in the processing route map, since processing (reading from the display of a screen, the output of a list, the registration to a file, and a file operation etc.) required for the next will be inevitably decided from the contents of processing in the screen (control words, such as execution and registration) if a certain screen is decided, for example, between screens etc. has been connected with the line according to the above-mentioned contents of processing.

[1476] Determine a required file based on the processing route map by which determination creation was carried out and the determined word of a file. That is, a required file can be determined more nearly inevitably than a processing route map and a word. The determined file is described in the dotted line box of the lower part outside a box of a processing route map etc.

[1477] For example, W02 palette shown with the mark 93 of Fig. 164 understands that the file of "Employee M (master file)", "Name M", "the customer information F (file)", "Section M", "W03-S/F", and the "goods list F" is required more nearly inevitably than the processing route map and word.

[1478] Create the base logic (program) to creation each word of base logic. That is, the base logic to each word is coded.

[1479] There are six sorts of a W04 phase element W04 logic element W02 phase element W02 logic element W03 phase element W03 logic element in base logic, and create six sorts of base logic (program) for every word. However, W02 phase element may be unnecessary.

[1480] For example, explain the example which creates base logic paying attention to the word the "sales" on a "sales input (direct sales)" screen as shown in Fig. 164.

[1481] As shown in Fig. 167, create W04 phase element.

[1482] Judge whether data exists in the data area of W02 of the word the "sales" of Fig. 164, first (Step 1201). In existing, it copies the data in the data area of W04 of the word the "sales" of the figure 164 concerned (Step 1202), and processing of the base logic concerned is ended.

[1483] W0 of the word the "sales" of the "sales" screen 94 of the figure 164 concerned when data does not exist at Step 1201. It is judged whether data exists in the data area of 3 (Step 1203). In existing, it copies the data in the data area of W04 of the word the "sales" of the "sales" screen 92 of the figure 164 concerned (Step 1204), and processing of the base logic concerned is ended. When data does not exist at Step 1203, processing of the base logic concerned is ended.

[1484] An important thing is always creating a program with this structure to any words, and is the same also about the following programs. [of this]

[1485] As shown in Fig. 168, create W04 logic element.

[1486] Judge first whether it is finishing [data / a set] in the data area of W04 of the word "sales" (Step 1301). Case [set], processing of the base logic concerned is ended.

[1487] In not being ending with a set, the data of the data area of W04 of the word "sales" judges whether it can edit with the included data of a word besides 自 in W04 (Step 1302). Supposing the data of a word called namely, "sales" can be found by an arithmetic type called the price x number, it will be judged whether data already exists in the data area of W04 of the word a "price", and the data area of W04 of the word the "number." If it exists, it will edit as edit being possible (that is, in the above-mentioned example, it asks for the data of the word "sales" using the above-mentioned arithmetic type from the data in the data area of W04 of a word called the data and the "number" in the data area of W04 of the word a "price".). (Step 1303) and an edit result (namely, data of the word the "sales" called for in the above-mentioned example) are set to the data area of W04 of the word "sales" (Step 1304), and processing of the base logic concerned is ended.

[1488] Accept necessity, when it is judged that it cannot edit at Step 1302, and it is 再 about the base logic concerned (Step 1305). The reboot FLG of a word called the flag which starts, i.e., "sales", of W02 is set (Step 1306). That is, if the determination of the data of the word "sales" is once reserved and it says in the above-mentioned example, it will be called the data area and the "number" of W02 of a word a "price." The determination is reserved until data is set to the data area of W02 of a word by execution of those base logic. It is exactly that the program concerning this, i.e., this invention, has determined significance autonomously.

[1489] As shown in Fig. 169, create W02 logic element.

[1490] Judge whether data is first set to the data area of W02 of the word "sales" (Step 1401). In not being ending with a set, it ends processing of the base logic concerned.

[1491] Case [set], perform the purpose processing of the set data concerned. It says that set a processing course flag in the case of a control word, and the purpose processing sets a significance judging, i.e., an attribute check, as mentioned above in other than a control word here. Since set data is data other than the control word "sales" here, the significance of the data set to the data area of W02 of the word the "sales" concerned, as purpose processing is judged.

[1492] Check the existence of formation of the purpose processing to the next (Step 1403). In the time of the purpose processing not being materialized, when the set of the recovery flag (FLG) of W02 of the word "sales" is required (Step 1404), the recovery FLG concerned is set and processing of this (Step 1405) base logic is ended.

[1493] At Step 1404, when the set of the recovery FLG concerned is unnecessary, set the failure FLG of W02 of the word "sales", and end processing of this (Step 1406) base logic.

[1494] When the purpose processing is materialized at Step 1403, end processing of the base logic concerned as it is.

[1495] In addition, in the case of a control word like a word "execution キイ", the above-mentioned step 1402 becomes with the processing which sets a processing course flag. A processing course flag (R = 0-5, however R= 0 are exceptional) is decided with a processing route map. The processing which distributes a course in a palette chain function so that this may mention later is attained.

[1496] As shown in Fig. 170, create W03 phase element.

[1497] Judge whether data exists in the data area of W02 of the word "sales" first (Step 1601). The word [data / the] "sales" when data exists. It copies in the data area of の W03 (Step 1602), and processing of this base logic is ended.

[1498] When data does not exist at Step 1601, end processing of the base logic concerned as it is.

[1499] Since data processing of the word concerned is performed without receiving the influence of processing of other words in this way, the program of each base logic concerning this invention will have determined significance autonomously.

[1500] As shown in Fig. 171, create W03 logic element.

[1501] Judge first whether it is finishing [data / a set] in the data area of W03 of the word "sales" (Step 1701). Case [set], processing of the base logic concerned is ended.

[1502] In not being ending with a set, the data of W03 of the word "sales" judges whether operation is possible by the data of W03 of a oneself-and-others word (Step

1703). That is, supposing the data of the word "sales" can be found by an arithmetic type called the price x number, for example like the case of Step 1302, it will be judged whether data already exists in the data area of W03 of the word a "price", and the data area of W03 of the word the "number." If it exists, it will calculate as operation being possible (that is, in the above-mentioned example, it asks for the data of the word "sales" using the above-mentioned arithmetic type from the data in the data area of W03 of a word called the data and the "number" in the data area of W03 of the word a "price".). (Step 1704) and an operation result (namely, data of the word the "sales" called for in the above-mentioned example) are set to the data area of W03 of the word "sales" (Step 1705), and processing of the base logic concerned is ended.

[1503] When it is judged that it cannot calculate at Step 1704, set the reboot FLG of a word called the flag which reboots the base logic concerned (Step 1706) if needed, i.e., "sales", of W03 (Step 1707). That is, that determination is reserved until data will be set to the data area of W03 of the word a "price", and the data area of W03 of the word the "number" by execution of those base logic, if the determination of the data of the word "sales" is once reserved like the above and it says in the above-mentioned example also in this case. The same result is guaranteed by this, even if reservation will melt someday regardless of the processing order of the base logic of other words, data will be set and the processing order of the base logic concerned changes a processing order.

[1504] Create the palette function to the creation W04, W02, and W03 of a palette function. Fig. 172 shows the structure paradigm of a palette function, and should just create the palette function (program) of such structure about each.

[1505] Open a file first (Step 1801). That is, for example with the palette function about W04, the file about one W04 predetermined palette is opened from two or more W04 palettes. And sequential execution of each phase element and the logic element is carried out (Steps 1802 and 1803).

[1506] the case where the palette reboot flag is set after that — (Step 1804) and a flag — resetting (Step 1805) — rerun each phase element and a logic element one by one (Steps 1802 and 1803). That is, a palette function is interlocked with the palette starting flag of each palette, and is enabling determination of the autonomous significance of a program.

[1507] On the other hand, when the palette reboot flag is not set, close a file (Step 1806), and end processing.

[1508] The structure of the inclusion palette chain function to a palette chain function is the same in any software. Therefore, what is necessary is just to build the base logic and the palette function which were created as mentioned above into the palette chain

function currently created beforehand.

[1509] The structure paradigm of a palette chain function is shown in Fig. 173.

[1510] That is, determine transmitting information first (Step 1901). Transmitting information is the screen which should be displayed. For example, if it explains referring to the processing route map having shown in the front figure, "reference" of a "customer code" will be chosen, for example in the screen (refer to front figure) of sales data input (the processing course flag of R= 3 stands by W02 palette of a "customer code".). The screen (refer to front figure) of customer code reference is determined as transmitting information.

[1511] When the information which closes a system is included in transmitting information, close (Step 1902) and a system (Step 1903). When it explains referring to the processing route map having shown with the information which closes a system, for example in the front figure, it is that "F3" was chosen, for example, in the screen (refer to front figure) of sales data input(The processing course flag of R= 0 should stand by W02 palette of "F3".). If it says that a system is closed in the above-mentioned example, it will be returning to menu panel.

[1512] Next, judge whether it is continuation within WT unit (Step 1904). This is related with exceptional processing. In addition, WT is a functional unit processed by man's input. That is, as shown in Fig. 174, WT unit bundles with one unit the registration screen used for registration of data, and the reference screen used for reference of the data in the case of registration of the data concerned, and is constituted. For example, when it explains referring to the processing route map having shown in the front figure, it is WT unit which is constituted by bundling the screen (referring to front figure) of sales data input, and the screen (referring to front figure) of customer code reference as one unit. However, when other processing route maps, for example, the screen of an arrival-of-goods decision input (refer to front figure), are needed, it is necessary to chain with these. Then, as shown in a front figure, it chains between scenario chains, i.e., other WT(s), if needed (Steps 1905 and 1906). This becomes effective especially, when it corresponds to a huge program.

[1513] In continuation within WT unit, set all the palettes of the WT unit concerned (Step 1907). For example, if it explains referring to the processing route map having shown in the front figure, all the palettes (W02-W04) concerning this whole processing will be set on a working memory, respectively.

[1514] And perform W04 palette corresponding to the screen corresponding to the menu item chosen first in menu panel (Step 1908). That is, W04 palette with which W04 phase element for every words of all and W04 logic element belonging to a sales input

(direct sales) screen (definition object identifier KH 211E) were set is performed with the palette function shown in Fig. 172. The data about the screen which should be displayed by this is determined. And a transmitting function is performed (Step 1909). That is, the screen where data etc. was set is transmitted (it sends to a display means, for example, CRT.)..

[1515] Perform a reception function after that (Step 1910). That is, the screen into which data etc. was inputted is received (it receives from a display means, for example, CRT.).

[1516] And judge whether receiving data is normal (Step 1911), and, in the case of abnormalities, redo from the beginning. That is, it is judged whether there is any data of a breach of the rules etc.

[1517] Next, perform W02 palette corresponding to the screen on which the received data belonged (Step 1912). That is, W02 palette with which W02 logic element for every words of all belonging to a sales input (direct sales) screen (definition object identifier KH 211E) was set is performed with the palette function shown in Fig. 172. The data inputted by this is determined.

[1518] Next, a processing course is determined (Steps 1913 and 1914). It is judged by the processing course flag on W02 logic element (R = 1-5) that the processing course was mentioned above.

[1519] When a processing course flag is R= 1, W03 base logic for every words of all belonging to all definition objects required for the software to produce performs one W03 palette for the software which was set by the palette function shown in Fig. 172 and to produce (Step 1915). In addition, data registration to a file is not performed by W03 palette in this case. And it returns to the first processing (Step 1901). That is, the processing course R= 1 is course processing which performs only execution of data processing (refer to front figure).

[1520] Also when a processing course flag is R= 2, perform W03 palette (Step 1916). In addition, data registration to a file is performed by W03 palette in this case. And W03 palette 95 shown, for example in the front figure and the line of WFL96 are performed. And it returns to the first processing (Step 1901). The processing course R= 2 is course processing which performs registration to execution of data processing, and the file of data (refer to front figure).

[1521] When a processing course flag is R=3-5, return to the first processing (Step 1901) as it is.

[1522] Here, the processing course R= 3 is course processing which returns to W04 palette (both [the same and different species]) as it is (refer to front figure).

[1523] The course processing R= 4 is processing which registers data into a file as it is (refer to front figure).

[1524] The processing course R= 5 is processing which takes out data from a file as it is (not shown).

[1525] In addition, the palette chain function shown in the front figure is for on-line, and the palette chain function for off-line comes to be shown in a front figure.

[1526] If the above is summarized, in Fig. 175, W04 palette with which W04 phase element for every words of all and W04 logic element which determine the screen which should be displayed first (Step 2101) and belong to the determined screen were set will be performed (Step 2102). Screen data is edited by this and the screen after edit is displayed (Step 2103). If operation of a user is made to this screen display, W02 palette corresponding to the screen on which that screen was received (Step. 2104) and the received data belonged will be performed (Step 2105). Thereby, the judgment of a processing course and next screen is performed.

[1527] The example of the source program which did in this way in Figs. 176 or 262, and was actually done in addition is shown.

[1528] Moreover, the notional structure of the program concerning this invention is shown in Fig. 263.

[1529] Namely, two or more W02 palettes (each palette contains k li(s), 2, k Li(s), and 2.),W03 palette (each palette contains k li(s), 3, k Li(s), and 3.),and W04 palette (each palette contains k li(s), 4, k Li(s), and 4) are included in a palette function (phiP), respectively, and this is included in a palette chain function (phi 0). That is, it turns out that T0 =phi0 ({phiP {li, 2, Li, and 2}} k+{phiP {li, 3, Li, 3}}+[k] {phiP {li, 4, Li, 4}} k) is materialized.

[1530] Fig. 264 expresses the structure of the space model in the case of LYEE-izing a base definition object to a type program conventionally which appears in the palette of the palette chain function phi 0 used as a screen. That is, it is replaced with T1 by the palette chain function phi 0 (plurality) which considers the base definition object of a type program (plurality) as a file conventionally, and becomes the structure controlled by the palette of phi 0 by which the program appeared.

[1531] Fig. 265 shows the correspondence relation of the role of the program for dealing with a program on a par with base logic conventionally.

[1532] Figs. 314 or 316 are figures showing the kind of the processing route map for LYEE-izing a batch program, domain arrangement, and necessary action element.

[1533] In the software development work to this, the dependence degree to personal capability was very high, and the fundamental problem was in the place where all

workers are asked for it. This invention catches the consciousness action in the depths of the thinking method theoretically in a relation with a recognition action, is that which formed it into development methodology, and can apply it regardless of fields, such as OS, a middle game, control, and business.

[1534] Since the soft structure guided by this invention is determined theoretically, it has recurrence nature and becomes only-like. As a result, the developed software is no longer a black box, an artificial mistake is eliminated in quality, structure is clear and a system becomes tough. So, it becomes possible to carry out more correctly and decision of a development project and development management become easy to do an estimate.

[1535] Further, when compared with the former, development periods are 1 / 2 - 1/4, development costs are 1 / 3 - 1/5, and a development worker's productivity is ten to 15 times, and the amounts of development documents are 1 / 15 - 1/20, and so on. .It is marvelous. Furthermore, conservativeness reaches 50 to 75 times.

[1536] Productivity of maintenance work is made about [of the productivity of development] into 1/10 by the conventional method. Since it becomes equivalent to the productivity of development in this invention, 10 times as much productivity as a development worker's productivity will call it the productivity of conservativeness. However, since a development worker's productivity is a production comparison value over the process of operation as used in the field of the former, i.e., a requirement definition, a basic design, a detail design, program creation, and all the work areas of verification, it is a value at the time of presupposing that the work area concept of maintenance work is applied to the range of the 1/2.

[1537] Here, explain supplementarily per view of Database in this invention.

[1538] Take the following views about Database in this invention.

[1539] 1. Let only the word of a screen and a list be the word of Database.

[1540] 2. The system only logic Database exists in W03 palette.

[1541] 3. Logic Database looks uniform from every screen and list.

[1542] 4. "Reading and writing" of physical Database are carried out by an action element.

[1543] 5. "Which word" and "which word" do not consider whether they are the same contents, but a Database word follows specification of self-generation obediently.

[1544] Let only the word of the purpose phenomenon treated by the system be the word of Database. In the case of business applications, let only the word of a purpose phenomenon like the screen and list treated by the system be the word of Database. Don't set up freely the word which is not in the purpose phenomenon with the word of Database. If that the word of Database can be recognized if the word of Database is set

up freely, and only a screen and a list are seen looks at self-generation of the word and logic element of Database and it does not look at for what purpose it set up, it becomes impossible to recognize the word of Database correctly.

[1545] Moreover, when using taking advantage of Database which already exists, follow the word of Database to harness. It is for not affecting the application operating program which already exists.

[1546] Here, only a screen and a list exist and Database and File explain supposing the state where it has not decided yet.

[1547] Because of what is Database required primarily? In order to refer to Data generally memorized in order to memorize Data, when referring to memorized Data, the reason for making it - convenience quickly etc. can be considered.

[1548] That is, if it is only a time of filing in only filing various kinds of data, even if it can file quickly, when referring to it, the time and effort to look for will become great. If an index is attached according to the reference purpose and this point and various kinds of data are filed, the time and effort to file is needed, but it becomes convenient when searching that much. It can be said that Database is a device for enabling it to refer to it conveniently when looking for such Data.

[1549] In order to store Data in the storage medium of a computer as Database and to refer to it to it, call Physics Database Database which defines "a memory system and a reference system", and is memorized and referred to actually.

[1550] On the other hand, when it does not yet understand well how Database is used, the most difficult work defines "a memory system and a reference system." It is because there is only "assumption" there. Then, before defining Physics Database, as a method of exploring a little more rationally how it is used, "Data (word) bundling "and "link of Data (word) bundles" is described. This description is called logical Database and, generally it is called Logic Database.

[1551] The logic Database ("word bundling" and "link of word bundles ") generally said is not effective in this invention (Lyee). Since all the words treated by the system on W03 palette are arranged and all the words of Database are also arranged, "word bundling" is only the thing that bundled all the Database words treated by the system. Therefore, logical "link of word bundles" is not necessary. Only the link between physical Database(s) (a word bundling) exists.

[1552] As for self-generation, also in the logic element of the word of a screen and a list (purpose phenomenon), the logic element of a Database word also makes the starting point "the word of the screen and list in the same synchronous range", and the word of "Database:Input-Area." Since it can use as the starting point also from the word of the

screen and a list like the system throat, the word of Database: Input-Area can be said as follows.

[1553] The word of Database exists uniformly (even if it sees from which screen and list).

[1554] Self-generation only refers to the starting point, and Read/Write of Database is not carrying out.

[1555] The Database: Input-action element and the Database: Output-action elements are performing Read/Write of Database.

[1556] Therefore, specify self-generation only using the identifier of the word arranged in a memory, and the form of physical Database is not related.

[1557] Fig. 266 is a figure showing the arrangement to each palette of the word belonging to a screen, and the word belonging to a file.

[1558] As shown in this figure, actual Database is clearly made by completing the following procedures.

[1559] First, the word of a screen and a list arranges word area on W04, W02, and W03 each palette by a screen word and "1:1", after giving a definition. As a result, W04 and W02 palette are made only the number of a screen and lists. Since the number of W03 palettes is one at the system, the word of all screen and lists will be arranged.

[1560] Next, the word of Database carries out every [of the word of all the screen and lists arranged at W03 palette / temporary] to the word of Database as it is. if definition objects differ even when a name and an identifier are the same, it will be considered as another word. Therefore, they are not made into the same word and it does not consider which word and which word are also the same. If self-generation of the word of a screen and a list and the word of Database is performed, a corner point word will certainly be accompanied by a starting point word.

[1561] next, temporary −every −let only the word used as a starting point word be the word of Database in a Database word as a result of self-generation.

[1562] If it arranges, be as follows.

[1563] Arrange the word of a screen and a list on each palette.

[1564] Carry out every [of the word of a screen and a list / temporary] to the word of Database as it is.

[1565] Let the word used as the starting point be the word of Database as a result of self-generation. The word used as the starting point will call it the word of Database because it is considered as the word of Database for reference memory at this time.

[1566] As a result, the only logic Database will be made by the system on W03 palette.

[1567] Many words which may be used as the starting point will exist in the future.

However, the word which was not used as the starting point cuts, without daring care there.

[1568] Next, explain the view when adding new screen and list.

[1569] In this case, simply, arrange the word of a new screen and list on W03 palette, and place temporarily as what was added also to the word of Database.

[1570] Add the word used as the starting point among the words of Database placed temporarily to a Database word after performing self-generation of the word of a screen and a list, and word ﹀ of Database next. The word used as the starting point has the existing Database word, the word of the screen and list which is not yet used as the starting point, and the word of a new screen and list.

[1571] Fig. 267 is a figure for explaining the method of correspondence in case a word is added.

[1572] That is, when new screen and list are added, arrange the word of a new screen and list.

[1573] Carry out every [of the word of a screen and a list / temporary] to the word of Database as it is.

[1574] Although it does not exist in an actual Database word at this time, the word which was not used as the starting point exists.

[1575] Add the word used as the starting point to the word of Database as a result of self-generation.

[1576] As a result, the only logic Database is done by the new system on W03 palette.

[1577] Next, explain the view of Physics Database.

[1578] The only logic Database exists in W03 palette by the system. What is necessary will be just to set the thing which made the logic Database which exists only one attach and remember convenient "access key" for reference to be Physics Database notionally since what is necessary was just to be able to refer to it conveniently in case Data is referred to with Physics Database. That is, since it is Database in which all the words treated by the system exist, all words exist in "1 Record" of Database. An "access key" becomes that to which all the "access keys" needed by the system (a screen and list) was attached.

[1579] Fig. 268 is a key map for explaining this situation.

[1580] Since all the words of "1 Record" do not necessarily form significance simultaneously as shown in this figure, the way things stand, it will be set to many useless "1 Record." Then, in order to be referred to as useless "1 Record" which is not, a "word association table" is used.

[1581] When "the relation between an end point and the starting point" shown by

self-generation specification of a logic element is collected about all self-generation and "end-point -> starting point (end point) -> starting point (end point) -> ..." and a relation are attached, the relation of all the words treated by the system will be thrown into relief. If a word is expressed with a round mark, it will become the association table where a huge number as shown in Fig. 269 of words were connected.

[1582] In this association table, the relation "it refers to the Database word" shows "Database: Output" and "Database: Input". ["it memorizes in a Database word" and] Although this is huge relation, a limit exists naturally. Therefore;

1. When saying due to the "end-point -> starting point" and it sees for every word, it is rare to make so many words into the starting point.

[1583] 2. If it says in the range bundled per the screen and list, since a screen and a list unit will carry out actual access by an "access key", the word of the range bundled with the screen and the list will call the unit of access a "Database word" with relation. By doing in this way, "bundle of screen words" and "bundle of Database words accessed from a screen" will be done.

[1584] The work which will be called "design of Physics Database" if it bundles and the relation of a unit is made as shown in Fig. 270 will become very easy. Here, suppose that he leaves actual "design of Physics Database" to individual DBMS (Database Management System) specification.

[1585] As shown in this figure, since self-generation can be specified using "the system only logic Database in W03 palette" and physics Database is not made reliance, after Physics Database specifies self-generation, determine it by this invention (Lyee). After determining Physics Database, the action element of Database: Input/Output is prepared.

[1586] If "which word" and "which word" stick for whether being the same contents, don't consider a Database word. Specification of self-generation is followed obediently.

[1587] It is rare for Database to be defined and to exist from the beginning, and "screen and list are only existence" is in the usual state. The "contents of self-generation specification" at this time is expressed with the word of a screen and a list.

[1588] If self-generation is expressed for self-generation of the word of a screen and a list, "using the word of which screen and list as" the starting point, a relation as shown in Fig. 271 can be drawn. In the case of the word which has the word which comes to the starting point in the same synchronous range when it sees in the viewpoint of the relation of the "end-point -> starting point" at this time, if the word of a screen and a list is made into the starting point, and the word of Database is made into the starting point

when a starting point word is itself, even if it is the same synchronous range, it will set. Moreover, when the word of the screen and list with which synchronous ranges differ is the starting point, the word will be set if the Database word is unconditionally made into the starting point.

[1589] Since Database will become not related as shown in this figure if it does in this way, if it is the person who found business, the contents of specification of self-generation can be answered. Since the specification result of self-generation specified the word used as the starting point to the Database word which set the word of a screen and a list as it was, and which was placed temporarily, it memorized N words in the same Database word among the words of a screen and a list.

[1590] Refer to the same Database word for N words among the words of a screen and a list. The result shows, and after seeing whether it is the same word, even if it does not carry out self-generation, the result of self-generation will show.

[1591] Even if it does not consider whether it is the word in which the word of a screen and a list and the Database word placed temporarily have the same contents, the self-generation result will show all.

[1592] Moreover, when it is the synchronous range which differs in all screen and lists, the example of a front figure is as follows. Here, a, b, and c ... show words. It is as follows when a Database word is expressed by (DB). A screen   B screen   D list   C screen E list: a-> a.DB->:p:b:c-> c.DB->:k:d:f-> f.DB->:j:o:g-> g.DB->:I-> I.DB->:l:m:n:q:r.   : e-> e.DB->   : h h.DB->

All the words used as the starting point turn into a Database word.

[1593] Although there is the way of thinking "there is Database first" here, when the computer did not exist, based on a ledger, it was posting from the ledger to the ledger, and originally, a screen and a list are foundations and Database has memorized the contents of a screen and the list. Therefore, in this invention, if the result of self-generation is seen, that a Database word can be decided can say.

[1594] Here, deepen consideration further.

[1595] It is first decided in general by the input-and-output attribute of an attribute check, self-generation, edit and a display, the word that carries out は input, and the word to output.

[1596] Next, it is only performing that a logic element forms the significance of only one word. Regardless of what kind of meaning a word has, it merely considers what is specified as empty, self-generation, and failure according to the "flow chart" of a logic element. Here, W02, W03, and W04 logic element have been independent mutually, and there is no subordinate relation. Thus, when it thinks, no matter it may be what word in

the case of "the word to input" on a screen, it will be decided almost automatically.

[1597] Next, an "attribute check" and a "digit number check" will be inserted if required. About "self-generation", it needs to be careful of distinction of an input indispensable word and an option word.

[1598] Next, about the output word on a screen, although an "attribute check" does not need to specify, considering the whole system, it is considered as to specify is better.

[1599] Next, only W03 logic element exists about the logic element of a Database word. Database of being treated only by one synchronous range is rare, and it is necessary to bear in mind being treated by two or more synchronous ranges (two or more Work-Through of a processing route map) for it. When only the processing course is seen, even if "self-generation" is in sight only with one kind, if two or more processing courses are seen, it can be said that two or more kinds usually exist.

[1600] Next, suppose that the logic element of a Database word is made from the beginning as an "equivalent word." That is, ""empty" + execution condition shown in processing route map" is specified in "empty."

[1601] Moreover, the words which serve as the starting point by self-generation of a Database word are the following words.

[1602] It is the word of the screen in the same synchronous range, and is a word in W03 palette.

[1603] The word of Input-Area of Database.

[1604] Moreover, since it is the purpose to carry out self-generation in order to memorize the logic element of a Database word to Database, specify self-generation of the logic element of the word of Output-Area of Database.

[1605] As mentioned above, according to this invention, development will be completed if only the number of data (word) makes the program of a data (word) unit. There was a view that an operating function was "mere set of data "words" used in business" once. However, there was neither theory which is supported in the stage of actually developing an information system, nor the method of making the program of a data (word) unit there. It made it possible to perform the same information system development process as the former, and to aim at improvement in information system development production nature by making pattern and modularization of a program to make at most. On the other hand, since the essence of old software was traced in the theory establishment in this invention, the structure of software was explained.

[1606] That is, when it set on the basis of what "software is a set of the meaning of a data (word) unit" and decomposed into "the meaning of a word unit", it traced that any software is governed by "the character of the meaning of a word unit", and that the

humane meaning of "the meaning of a word unit" was another. It was shown clearly that the character of software is further governed in both "structure of software", and "the character of the meaning of a word." As a result, when the structure of software realized what kind of function, it is only one and solved that it was having the same structure no matter what data (word) the program of a data (word) unit may be. It was made to develop from this and was having structure where no program of a data (word) unit was influenced by the program of other data (word) units, and when only the number of the data (word) used on business gathered the program of a data (word) unit and was performed, it resulted even in discovery of filling an operating function.

[1607] An operating function which was mentioned above just by there having been this backing can finish being called "mere set of data "words" used in business." If it sees very much to this recognition, it will be understood that it is impossible to attain the effect whose invention of this called a fundamental improvement of software production is enabled in the place which only advocated "the program for every word" in the state where there is no such backing.

[1608] That is, the conventional system (system which fills an operating function) was held as follows, as shown, for example in Figs. 310 and 311:

1. It is based on that there is an operating function first.
2. That of how to combine a word with filling an operating function is considered.
3. The work of making a program from the combination of a word has been done.

[1609] By this invention, it is based on the theory which "software structure" and "the program for every word" mentioned above to this, and perform business as follows after setting with a set of a word:

1. It is based on that there is a set of a word first.
2. It is considered that the program of the combination of a word does not exist.
3. The people in general of the program production by the work of preparing the program for every word are ended.

[1610] Therefore, since he does not need to be conscious of an individual operating function, and it applies correspondingly and it becomes unnecessary to be conscious of a word combination program, leather will be brought very much to the conventional information system development method of making a program so that the operating functional division of the requirements for information system development may be carried out, it may decompose into a detailed operating function and it may correspond to a detailed operating function. Even though he is conscious of an operating function in a system plan (examination stage of helpful structure and the mechanism of profiting), it becomes unnecessary furthermore, to be conscious of an operating function in the

stage of developing the computer software after an external design.

As a result, all the work that was conscious of the operating function by the usual information system development is lost. According to this invention, the effect of also doing easy the difficult work (a system plan, system test) derived from the work which was conscious of the operating function is also brought about.

[1611] The effect of this hit is shown in Figs. 272 or 285 in diagram.

[1612] If it sees from another field, the software developed by the conventional method and the soft difference realized by the software development methodology of this invention will be considered as follows. That is, the former is simulated while people have recognized forms and colors, such as target (target business, function), etc. which are made into software, the phenomenon of a motion, and the procedure of the processing and control which are led to those phenomena such (the significance was given). That is, by that with the room which changes with people (it is not a correct answer), productivity is bad and causes various problems. On the other hand, according to this invention, people have recognized the procedure of the processing and control which are led to the phenomenon of the form and color of things (business, a function, etc.), and the motion which are made into the object to be realized as software such (giving meanings).A part of phenomenon (screens, lists and words belonging to those medium) instead of what was simulated is made into an opportunity (trigger),The procedure of drawing all the phenomena is regarded as structure of the action and concreteness of fundamental existence which is forming as a meaning the meaning which exists in "subconsciousness" as used in the field of quantum mechanics. As a result, it is got blocked, since it is the essence of a meaning, dependency on human skill is eliminated. Therefore the effect that productivity does not start any problem well is done so.

[1613] When putting in another way, the software which is the products by the conventional method had the room which a request and a result become mismatching hard [slight / in which the phenomenon which the derivation procedure and man of the phenomenon and the phenomenon of appearing in the business made into the object to be realized as software, a function, etc. have recognized such, and the procedure are intermingled], or becomes mismatching at least. On the other hand, since the software by this invention is made soft after going back even to the origin which causes the existence and solving the derivation procedure of a phenomenon and a phenomenon of appearing in the business made into the object to be realized as software, a function, etc., the room of it to produce such mismatching is lost. Fig. 286 is a figure explaining this hit.

[1614] Next, although two business-use systems are developed to serve also as the check of the effect of this enforcement form, and verification of LYEE and they have already worked, the outline of the system which is a result is shown below.

[1615] 1. Employment system (percentage of program made by Lyee method 35%)

The number of screens: 543

The number of curtain tables: 297COBOL

The total number of lines: 1963327

The number of RPG lines: 227322

Regular operation terminal number: About 600 sets

Operation model: AS 400/530

2. Selling customer-management system (percentage of program made by Lyee method 45%)

The number of screens: 259

The number of curtain tables: 197

The number of C-language lines: 549529

A server model and a number: Two Win-NT

A client model and a number: About 100 MAC

Percentage of program made by Lyee method was complete, but it is because the portions which were not made by LYEE method intentionally for the purpose of technique verification. However, these are soon purified to 100% LYEE.

[1616] In addition, this invention is not limited to the enforcement form mentioned above, but various modification is possible for it within the limits of the technical thought of this invention.

[1617] For example, although the above-mentioned explanation has mainly explained how to realize the view concerning this application invention as software, it is as more possible as a realizing-as equipment-view of this application invention peach.

[1618] Fig. 317 is a figure having shown an example of the system configuration of the equipment when realizing the view of this application invention as equipment.

[1619] Further, since the "word" as used in the field of this invention is "a unit which forms significance", if it is the computer processing which can specify a "word", this invention is applicable even to what. It says that a data value exists that "significance" exists, and various things can serve as a "unit" in which significance is materialized by the mode of the computer processing to treat.

[1620] For example, although it transmits by inputting data into a personal computer screen or a list from a display or a personal computer screen, and acquiring information required for business and business is performed on the usual business, this invention is

applicable by placing with a "word" the identifier of the data displayed on the personal computer screen and list treated within a computer as it is at this time.

[1621] Moreover, as shown, for example in Fig. 287, in an apparatus regulating system, it points to operation of apparatus by sending various kinds of signals to apparatus, or judge the state of apparatus based on the signal sent from apparatus, and apparatus control is performed, but this invention is applicable by what the signal of these various kinds is set for with a "word" as it is at this time.

[1622] In the further above-mentioned program creation, since it does not have the place which changes no matter it may be what linguistic environment further no matter it may be what system, as the structure of a program is mentioned above, automatic generation of a program can be performed easily as a result. However, this invention does not set [something to claim that there is no misunderstanding] automatic generation of a program as the purpose. This invention solved the essence of software and groped for the "correct answer" of software based on this essence. As a result, it is that trace having the structure controlled by W02, W03, and W04 which all programs mentioned above, and automatic generation of a program is obtained as one of the effects as the result.

[1623] For example, when TOOL concerning this invention which development has already completed now is used, at the time of information system development, all the contents of a definition carried out by development will be registered into Database as software property, and can create program sauce freely [always] from the registered software property. Moreover, at the time of information system maintenance, if the contents of the registered software property are changed, the effect that the program sauce of a change result is created will also be acquired. By carrying out like this, information system development work becomes what is only the work that defines software property, and will be released from the work which designs and creates a program.

[1624] Figs. 288 or 306 are figures showing a series of actual conditions of the software development example by LyeeALL which is an example of such TOOL.

[1625] Furthermore, if this invention is the computer language which can describe the program for every word, it is applicable to all languages. Since the program structure for every word is having the same structure no matter what word it may be, if it is the language which can describe the program for every word, this invention is applicable to all computer languages.

[1626] Therefore, in practice, the actual program creation work using this invention is preparing the program for every word as a template beforehand, and set and replace it

with the work of creating the program sauce of the language suitable for a template, from software property. When this investigated thoroughly, it means that program sauce is thrown away and this invention is applied, program sauce is no longer software property. Program sauce becomes what became independent of the kind of computer, and the sense of values of the industry made natural [also making into soft property the program in which conservativeness is inferior until now] is made changed completely.

[1627] As a result, the old information system maintenance method carries out the operating functional division of the requirements for information system maintenance, investigates in detail the change part required of the existing system, and does change work. For this reason, work to inspect "which par to be amended in many programs" depends for the existing system on those who get to know well.

[1628] The work to investigate occupies much weight.

[1629] On the other hand, after this invention is applied, it will be as follows:

1. An operating function can also set the requirements for information system maintenance, saying "It is a mere set of the data (word) used on business", and can change them.

[1630] 2. At the time of a data (word) addition, you should just add the program of the data (word) unit to add.

[1631] 3. At the time of data (word) change, you should change only the program of the data (word) unit to change.

[1632] 4. He can understand the program of a data (word) unit also by whom.

[1633] Bring about an effect innovative to maintenance work, and marvelous as a result.

[1634] Although the explanation mentioned above explained further the case where thought concerning this application invention was mainly realized through software, the thought concerned is not limited to software. For example, although it is the vector which consists of area and logic with base logic independent per word as above-mentioned, according to realizing this unit itself as LSI and realizing the things (a palette function, a palette chain function, etc.) with which they are made to chain further by LSI, it is possible to make this application invention into a body present する parallel computer.

[1635] Furthermore, according to the thought which starts this application invention in this case, the inference mechanism or judgment auxiliary mechanism materialized only in the data coupling which eliminated the dependency (logic combination) of logic can be realized. That is, since an inference mechanism is a tree structure in the former,

according to this application invention, it does not remain in the requirements only for the number of words (referred to as N) to it having been natural that there was logic combination, but a number (3rd power of 4xN) of requirements which they chained are shown as information for judgment. The inference mechanism and the judgment auxiliary mechanism which the new requirements which it was not aware of until now are created can be realized.

[1636] Although the further above-mentioned explanation in particular did not describe, an unprecedented prominent effect is produced by using the technical thought concerning this application invention for the solution of a traveling salesman problem. That is, since the conventional method made the keynote the "starting point principle" mentioned above, it could not but become astronomical calculation. On the other hand, since LYEE concerning this application invention makes a "end-point principle" the keynote, a salesman's shortest round time serves as the sum total of the time of the round place that what is necessary is just to generate correspondence time with a salesman, and distance (travel time) with an adjoining round place to the self-generation for every round place. And it is thought that the combination can be found in the combination which takes the number from the number of round places.

[1637] Moreover, although the enforcement form in particular mentioned above did not describe, you may make it minimize the capacity of products slack software. That is, it is understood in this invention that it is "unfixed [requirements]." The elements with which the unfixed requirement can also be received no matter the determination possibility of, i.e., what requirements, may generate software, and it is forming it are "recovery", "failure", and "self-generation."

[1638] 1. Tuning of performance

Compression was made possible to 66KB after tuning up what was 155KB before tuning as be alike as a track record of the tuning in a HTML application example.

[1639] 2. Tuning of the requirements for operating

When the principle of the software which this invention (Lyee) caught is followed, the requirements for self-generation are following ones:

End-point word   (substitution) = word of the same identifier which belongs on different definition objects.

Attribute check (it is the defined attribute (a type, digit)).

Since a principle can be guaranteed by these verification, it is developing without operating knowledge and tuning up after operation at the beginning of development etc.

[1640] Since the base logic which requires a lot of development is not influenced by the conditions of execution environment, it is very simple and make it mechanical work

from beginning to end. Moreover, although there are few amounts of development, since the determination of an action element is influenced by the mounting conditions to environment, the determination of the mounting conditions to environment is needed at the beginning of development. However, since it serves as an infrastructure once determining, if it will be in a stationary state, the influence on productivity can be disregarded.

[1641] Furthermore, although the enforcement form mentioned above explained this invention taking the case of the case where it applies to an on-line system, it is checking by actual verification that the view of this invention is not restricted to the above-mentioned on-line system, for example, it can apply effectively also about a batch processing system. Fig. 307 is a key map explaining the relation of the both sides when applying to on-line and off-line simultaneously.

[1642] Moreover, although Figs. 314 or 316 did the unprecedented huge effect so to the off-line system with the application of invention which actually relates to this application, they are figures which expressed the processing route map, the domain figure, and the action element child list for palette creation concerning an example, respectively.

[1643] Moreover, as mentioned above, the enforcement form mentioned above explained this invention taking the case of the case where it applies to developing the software of the disposal-of-business-affairs system inside a mechanism. However, the view of this invention is not limited to such a thing. It is applicable also to soft development of other disposal-of-business-affairs systems, f or example, seat reservation business, banking business, a sales administrative task, etc., or not only the inside of a mechanism but the software development about an external mechanism. that is, soft development of a trust contract — or it is effectively applicable again also about all soft development of support software, such as not only an operating system but communication control, a process control, software control, etc., game software, etc.

[1644] moreover, software – which supports the software and functions (a communication control facility, a process control function, a software control function, etc.) which will support -business (seat reservation business, banking business, a sales administrative task, an employee administrative task, etc.) soft if it becomes to deepen consideration more — in addition to this, various software, such as game software, exists. However, people consider each of the logic (logic). From this, it can be said that software is developed "for people." On the other hand, people think "if this is realizable for a user, it is pleasant and convenient", and develop software.

Then, "this" of software is the procedure of processing or control led to forms and colors,

such as the target (target business, function), etc. made into software, or the phenomena of a motion and those phenomena, and things that they are things that are called the phenomenon (the significance was given) and the procedure which people have recognized such, and cannot be recognized can never be then set as the object of soft-izing. Therefore, it can be said that software will be "what simulated things actual and things that are wanted to exist in this way as it was" if it catches greatly. It can be said that it is equal to all the measures that do not remain in a domain called soft development, but people perform widely since this invention is applicable to the general thing which fills this definition, and it is applicable.

[1645] (supplement of this invention) Next, it explains complementarily about something with "Lyee" concerning this invention.

[1646] If it says in one word, it can be said that "Lyee" succeeded in catching "structure of software" and "the character of a meaning of a word."

[1647] In order are efficient and to perform disposal of business affairs conveniently, a computer is used, but when computer software is made and a computer performs data processing, as for an operating function, there is a view of "being a mere set of the data (word) used on business." However, even if there was a view, there were not "theory" which is supported in the stage of actually developing an information system, and the "method of making the program of a data (word) unit." For the reason, a special view could not be harnessed but the information system development process as before had to be taken. As a result, aiming at improvement in information system development production nature by patternizing and modularization of the program to make was only completed.

[1648] "Lyee" which starts this application to it converts the view of old software 180 degrees in a theory establishment. It can be said that present-day cosmology is resembled in a sense.

[1649] If the substance is disassembled rapidly, will reach an elementary particle, because it is the theory on physics.
It is supposed that the character which an elementary particle has is governing the character of the whole creation. However, cosmology is not completed only by catching the character of an elementary particle. It can be said that it is necessary to catch the whole universe.

[1650] If this application develops this view further, it sets on the basis of what "software is a set of the meaning of a data (word) unit" and it decomposes into "the meaning of a word unit", it will solve that any software is governed by "the character of the meaning of a word unit." The character of software is governed in both "structure of

software", and "the character of the meaning of a word", and る was clarified.

[1651] The structure of software is only one. No matter the program of a data (word) unit may be what data (word) according to this invention, it is having the same structure. The program of every data (word) unit is having structure where it is not influenced by the program of other data (word) units.

[1652] According to this invention, an operating function will be filled, when only the number of the data (word) used on business carries out the program of a data (word) unit to a set and is performed.

[1653] An operating function can finish being referred to as "Being a mere set of the data (word) used on business" only after there is this backing.

[1654] If it puts in another way, it can be said that "Lyee(s)" are a view when catching software, and a view (Fig. 414). At "Lyee", business is set with a set of a word by backing of "software structure" and "the program for every word." Then, it is as follows.

1. There is a set of a word first.

[1655] 2. The program of the combination of a word does not exist.

[1656] 3. The program for every word is prepared.

[1657] The above thing can be said.

[1658] The conventional system (system which fills an operating function) is as follows to this.

1. There is an operating function first.

[1659] 2. It is considered how a word should be combined with filling an operating function.

3. A program is made from the combination of a word.

[1660] The above thing can be said.

[1661] According to this invention, he does not need to be conscious of an individual operating function, and he will apply correspondingly and needs to be conscious of a word combination program. A possibility that this will bring leather very much to the information system development method is large.

[1662] "Lyee" is applicable to any information systems.

[1663] The "word" which "Lyee" treats is "a unit which forms significance." Therefore, if it is the computer processing which can specify a "word", "Lyee" is applicable even to what.

[1664] Say that a data value exists that the "significance" as used in the field of this application exists.

[1665] With the "unit" as used in the field of this application, various things may correspond by the computer processing to treat.

[1666] For example, on the usual business business, transmit by inputting data into a personal computer screen or a list from a display or a personal computer screen, and acquiring information required for business, and carry out business. At this time, the identifier of the data displayed on the personal computer screen and list treated within a computer is set with a "word."

[1667] Fig. 415 is a figure showing the example of the screen of the system concerning the usual business.

[1668] In the example shown in this figure, the range surrounded in the rectangle corresponds to the "word" as which it is the place which performs a display and an input, and this says data to this application.

[1669] Fig. 416 is a figure for explaining transfer of the signal of an apparatus regulating system notionally. As shown in this figure, by sending various kinds of signals to apparatus, it points to operation of apparatus, or the state of apparatus is judged based on the signal sent from apparatus, and apparatus control is performed. At this time, various kinds of signals are set with a "word."

[1670] Consider from another field.

[1671] "Lyee" can make "software property" what is visible to the user of an information system.

[1672] If the TOOL "LyeeALL" mentioned above is used, all the contents of a definition carried out by development will be registered into Database as software property at the time of information system development. Program sauce can be created freely [always] from the registered software property. At the time of information system maintenance, if the contents of the registered software property are changed, the program sauce of a change result will be created.

[1673] And according to this application invention, information system development work turns into work which defines software property, and will be released from the work which designs and creates a program.

[1674] Fig. 417 is a figure having shown typically that the work which defines software property by this invention turned into information system development work.

[1675] Program sauce will be thrown away as shown in this figure.

[1676] It can be said that it is applicable to all languages if this invention is the computer language which can describe the program for every word so that clearly from these things.

[1677] That is, since the program for every word is having the same structure no matter what word it may be, if it is the language which can describe the program for every word, it is applicable to all computer languages. The program for every word will be

beforehand carried out in a template, and, specifically, will be prepared. By doing in this way, the program sauce of the language which suited the template from software property can be created now. And it will be said that the software property of "Lyee" has been independent of the kind of computer.

[1678] Next, as a result of applying this invention, consider what kind of concept it will be called with "Requirement."

[1679] If "Requirement" is seen from the position of computer processing, it can be specified as "a set of the word treated on requirement for operating = business." "Requirement" cannot but be a set of a "word" the place got blocked. Usually, in business applications, it can catch that "Requirement" is a set of a "word = data item."

[1680] The "business" which performs business is realized by "combine" with "a gathering" to "the function to achieve still more detailed business." The following things will be made, if it catches "combine with the gathering to an operating function" as it is and sees from the side of an operating function.

1. An operating function is grasped.

[1681] 2. An operating function is detailed.

[1682] 3. The "data item" used by a detailed operating function is probed.

[1683] 4. "The screen and list" used by a detailed operating function are designed.

[1684] 5. It probes "a data item putting together". [which is used by a detailed operating function]

[1685] 6. "Arrangement of a data item" repeated by "a data item should put together" is performed.

[1686] 7. Based on the work result of 1 to 6, it sets with "the combination result of a function = data item", and the program which fills a function is made.

[1687] It will pass through such a "thinking process" and a "work process."

[1688] "Lyee" is seen from the side of the "word = data item" "a set of the word treated on operating = business." That is, it can carry out as follows.

1. "The screen and list" used on business are made.

[1689] 2. Business = it catches with "a set of the word of a screen and a list" used on business.

[1690] 3. The program for every word of all the words used on business is made and ふ forming a set.

[1691] It will pass through such a "work process."

[1692] Therefore, in "Lyee", "an operating function's being caught" and the work of "probing the combination of a data item" will not exist. That of necessity will tell "a

screen and a list" required of a detailed operating function to a detailed operating function. If in other words there is "a set of a word = data item", what is necessary will be for "a screen and a list" to choose "a word required for a screen and a list" from "a set of a word = data item", and just to output it.

[1693] If it sees in this way, "a screen and a list" will express word bundle and this will be called purpose phenomenon. Moreover, the thing inside a computer expresses no detailed operating functions, but it turns out that the screen and the list have paid software by proxy.

[1694] That is, catch "Requirement" which "Lyee" catches with "a set of a word", and the "purpose phenomenon showing word bundle." At this time, the difference of "the work which catches only the number of words", and "the work which catches the combination of a word" is made clear. Supposing the number of words is 100, it is because "work to capture word bundles" has only a maximum of 100 factorial to "work to capture words as much as they exist" being 100. It will be said that the information system development work of "Lyee" can be managed with the minimum work, and is clear in quantity of work.

[1695] Fig. 418 is a figure which expressed notionally signs that "the work which catches the combination of a word" currently conventionally done on business corresponded with business.

[1696] Since it cannot but catch "the word for every operating function combining" with an "operating function" if it sees from the operating function side as shown in this figure, "put together" is unlimited and complicate how depending on which this catches.

[1697] Fig. 419 is a figure which expressed with the "set of a word" concerning this application notionally signs that business was caught.

[1698] If it sees from the "set of word" side as shown in this figure, screens and lists which are word bundles only exists, each operating function is unrelated, and the combination of a word is also unrelated.

[1699] Explain below the "synchronous structure" and the "base logic" which are the feature of this application invention.

[1700] These can be said to be the general solution of the software which "Lyee" caught when saying directly, and "base logic" is an element which forms significance in a word, and they can be said for "synchronous structure" to be software structure in which form significance in a word and man's will is made to reflect.

[1701] ""Requirement" is a set of a word as stated previously." Realizable backing is needed in order to set. Since it is not a physical structure that this point and software are treating ("something that is not a physical structure" is set with a "meaning".) While

it has been the "meaning" "the meaning which man catches", when it treats, it will become of infinite variety [the way of catching], and will catch, and there will be no place.

[1702] In catching a "meaning" there, perform the following thing.

1. A formula is found.

[1703] 2. An approximate value is calculated.

[1704] 3. = which tells how a solution can be seen —a qualitative answer is looked for.

[1705] Among these, this application invention performed the 3rd "structural approach."

[1706] Entrust the theoretical slack "structure of existence" which serves as foundations of Lyee explained in full detail in the part in the first half for details, and supplement about the conclusion here.

[1707] In a supplement, in order not to make the concept of "Lyee" intermingled with the conventional concept, newly define the word (a part of definitions are already ending with explanation.) with which a concept is expressed below.

[1708] "Significance" means the character of a meaning. However, it is the thing in which a value exists unlike a humane meaning and which is expressed without existing. The below-mentioned "state where the unit has been specified" is said more correctly.

[1709] An "aspect" means the minimum unit which has significance. This can say it also as a thing like the "elementary particle" as used in the field of physics. If the substance is subdivided rapidly, the minimum unit of an elementary particle will be reached. In "the universe made by one mass production thing" called an elementary particle, though it has developed into the universe of what kind of form, there is a view that the same mechanism [symmetry] of a tear as the fundamental system of the same pattern formation as summarizing the universe of a there, the atom, and the living thing to one is summarizing us as our own universe, an atom, and a living thing to one. this application has adopted this view.

[1710] "A dense set" means a set of an aspect.

[1711] The thing of the aspect which has significance [being equivalent to "a dense set which is a set of an aspect" (equivalent)] is called "equivalent aspect."

[1712] When a dense set exists and an equivalent aspect equivalent to a dense set exists, the dense set is called "unit."

[1713] "A chain" means the set of dense structure and an equivalent aspect.

[1714] A "word" means "the unit which has significance" in our nature. In the most familiar example, a data item is equivalent to a word. There is other "unit which has significance."

[1715] Fig. 420 is a figure which expressed notionally signs that a dense set and an

equivalent aspect formed a chain.

[1716] If "the word which wants to know the contents" is set with an equivalent aspect as shown in this figure, dense structure equivalent to an equivalent aspect exists. Therefore, dense structure and structure of the chain which is the set of an equivalent aspect are clarified, and it should be shown clearly after that "what dense structure is."

[1717] Now, "Lyee" treats the "significance of a word" that a value exists in a word. The present computer only essentially shows man the value of every word (data item). When a "value" when a word has significance is seen from man, it will have a humane meaning in the value of a word, and the combination of a word. On the other hand, if it sees from a computer, the contents of the value of a word will be mere values and what kind of humane meaning it has will not detect.

[1718] From this, man will make a judgment whether "significance of a word" is equal to "validity of the value of a word", and it will be said that a computer should treat only the significance (a value is made to exist) of a word.

[1719] When it results in the way of thinking that what is necessary is just to treat "significance of a word", it is wide opened from the complexity of a humane meaning, and the generalized method is reached.

[1720] Fig. 421 is a figure which expressed notionally signs that stood on the way of thinking of treating "significance of a word", and the form of a program was made to materialize a chain.

[1721] The form of the program for every word treating "significance of a word" has a form as shown in this figure, and materializes "a chain."

[1722] Define a term further here.

[1723] "Empty" is the concept which judges existence of significance and it means "Significance still exists and does not carry out."

[1724] "Self-generation" is an action which makes significance exist in the word. Self-generation is carried out using the contents of other words. Specifically, reference and calculation are meant.

[1725] A "end point word" means its own word [who is going to make significance exist]. A "starting point word" means the word which it is going to form its own significance and is referred to in self-generation.

[1726] The program shown in Fig. 421 is making the form where significance is formed only one word (end-point word). Since it is the form where only the significance of only one word is formed, it becomes common and can apply to any words. That is, supposing there are N words which want to know the contents, regardless of that combination, it will be said that what is necessary is just to prepare N programs for every word of this.

[1727] Now, in order to treat "significance of a word" and to form significance in a word, it is necessary to clarify the "structure of the whole software." The structure of forming significance is said to this word as "structure of a meaning."

[1728] Define a term further here.

[1729] A "palette" says the thing of the vessel (space, to say correctly) which arranges the program for every word which forms significance to a word. There are three kinds, W02 palette, W03 palette, and W04 palette.

[1730] A "logic element" says the thing of the program for every [which forms significance] word to a word. There are three kinds, W02 logic element, W03 logic element, and W04 logic element. Significance is formed in one word in combination of a result by which three logic elements were performed.

[1731] A "phase element" plays the role which combines the result by which the logic element was performed. There are two kinds, W03 phase element and W04 phase element.

[1732] "Base logic" is the general term of three kinds of logic elements, and two kinds of phase elements.

[1733] Fig. 422 is a key map which meant typically that the structure of a meaning was caught by the relation between a word, each W02 palette, W03 palette, and W04 palette.

[1734] As shown in this figure, when one word exists, it arranges each W02, W03, and one W04 logic element on each palette of each of W02, W03, and W04. This is shown using arrow which goes outside from a word. Furthermore, a phase element is arranged on W03 and W04 palette. When base logic arranged at each palette is performed, significance is materialized in the word. This is shown using arrow which goes to a word from each palette.

[1735] Man will say that he sees, recognizes and judges the contents of the word in which significance was materialized. What is necessary will be to make into a computer program the form which removed man, and just to set in a computer from the structure of a meaning.

[1736] The structure of a meaning forms significance only in one word. Usually, the contents which man wants to know are sets of a word so that it may be represented by a screen and the list.

[1737] Significance is formed in each word and the structure which devised so that a set of the word could be treated is called "synchronous structure."

[1738] Fig. 423 is a key map which expressed typically the structure of each palette, a palette chain function, etc. having realized a scenario function, and forming significance in a word.

[1739] As shown in this figure, prepare one palette chain function for the operating system (OS) of a computer, and a development language. This plays the role which starts each palette of W04, W02, and W03 in order. As shown in this figure, in order to treat two or more words, the base logic for every word is arranged on each palette of W04, W02, and W03. Each palette is a vessel which arranges the base logic for every word and performs base logic.

[1740] Each palette performs a phase element and a logic element in the order which had the arranged base logic arranged. Although two or more the phase elements and logic elements for a word are performed collectively, if it sees for every word, it performs in order of W02 logic element, W03 phase element, W03 logic element, W04 phase element, and W04 logic element.

[1741] Significance is materialized in a word, and a set of a word bundles, it comes out, and a result is displayed on a certain screen. At this time, man thinks that data needed was displayed. Since the screen was displayed, significance is never materialized in a word.

[1742] Next, explain the information system development procedure by "Lyee."

[1743] Since the structure of the computer software which information system development makes the purpose has already existed with "synchronous structure" and the structure of "base logic" as mentioned above, it will be said that information system development is work which expects an element required for the "synchronous structure" which already exists.

[1744] Fig. 424 is a figure which expresses notionally the contents of SLCP-JCP94 representing the conventional view in soft production.

[1745] As shown in this figure, a system life cycle takes cost most to a development process, an employment process, and a maintenance process. "Lyee" is a system development methodology, demonstrates power in a development process and a maintenance process, and simplifies other processes. The place of "Project Management" explains "Project Management" when setting on the basis of "Lyee."

[1746] Hereafter, "Lyee" explains carrying out the method of what kind of development based on what kind of view with emphasis on a "development process."

[1747] Fig. 425 is a figure for explaining the outline of an information system development process.

[1748] Fig. 426 is a figure for explaining the outline of an information system maintenance process.

[1749] As shown in this figure, as for information system maintenance, it is common that the existing system maintenance and a new issue are intermingled. Among these,

saying that the existing system maintenance is correction of an addition and deletion of the word of the screen and list to correct, and self-generation can be finished. (It is an addition and deletion of the base logic of the word added and deleted, and is only correction of self-generation of only a word to correct.) The base logic for every word does not affect the base logic of other words, and is not influenced by other base logic. From this, the influence range which an addition and correction do is limited to the range of the word.

[1750] A new issue follows application operating development of "Lyee."

[1751] The information system development procedure of "Lyee" comes to be shown by Fig. 427.

[1752] Next, explain a processing route map.

[1753] The course which forms the significance of a word is called a processing course, and what displayed the processing course using three kinds of palettes, W02, W03, and W04, is called processing route map. It can be said that a processing route map describes "the kind of action which people direct", and "the order of a palette which it is at the action time and moves."

[1754] Explain the relation between a screen and a palette continuously.

[1755] Fig. 428 is a figure having shown the relation between a screen and a palette notionally.

[1756] As shown in this figure, form W02 palette which takes charge of input and an attribute check, and W04 palette which takes charge of edit and output for every screen as what specified 括り of a screen word. Therefore, on W02 and W04 palette, the word area corresponding to a screen word and the base logic corresponding to a word are arranged. All the words treated by the system are arranged on W03 palette. Database of the system and the word of File are also arranged. The word of the system forms significance by W03 palette.　The relation of each palette also comes to be shown in this figure.

[1757] That is, receive the word of a screen by W02 palette and check an attribute. A screen word and the word of Database and File form significance by W03 palette. W04 palette chooses the word displayed on a screen from the words of W03 palette, and displays it on a screen. Since it is necessary to specify word bundle beforehand, W02 and W04 palette consist of words in a screen and a screen.

[1758] About a processing route map, if only one screen becomes and W02 palette (W02 logic element) corresponding to the screen, W03 palette (a phase element, W03 logic element), and W04 palette (a phase element, W04 logic element) corresponding to the screen will be moved, the significance of a screen word may be acquired and satisfaction

of those who look at a screen by set (a display bundling) of a word may be able to be obtained. However, there are two or more screens actually, two or more screens will be operated, and the contents of the word which people satisfy will be acquired. Moreover, even if the number of screens is one, after performing some operations, the contents displayed on a screen are seen. Furthermore, a screen is operated and the contents again displayed on a screen are seen. Thus, operation is repeated several times and it is considered [acquiring the contents which people satisfy in many cases, and]. In such a case, as shown in a front figure, it is not ascertained how I may process only by putting a screen and a palette in order. Then (it mentions later), how to draw a systematic processing route map is needed.

[1759] Fig. 429 is a figure showing an example of a processing course.

[1760] As shown in this figure, the basic processing course of forming significance in a word is what "W02 palette, W03 palette, and W04 palette move in order."

[1761] Next, explain description of the processing course for every kind of action.

[1762] Fig. 430 is a figure showing the processing course at the time of presupposing that he wants to check only the contents of a word of a screen.

[1763] If it is only the contents of a word of a screen and only a pair of palettes of W04 and W02 will be moved as shown in this figure, the significance of a screen word can be formed. W04 palette moves, a screen is outputted and the contents of an action are directed to a computer by the result of having operated the screen. If directed, W02 palette will move, the contents of a word of a screen will be received, and the attribute of a word will be checked. W04 palette runs by specifying the palette which moves by the action element of W02 palette to the next of W02 palette as W04 palette. W04 palette edits the contents of a word of the screen received by W02 palette, and displays them on a screen.

[1764] Describe the action directed on the right of W02 palette, and make it understand whether to be at the time of what kind of action. About description of an action, when having opted for the action only with one word, describing a "word name" and opting for an action in the combination of two or more words, all applicable words are described like "word name + word name .." Since the action at this time is the combination of a word, it is prepared as an "action element." For the reason, description to a processing route map is taken as "P: word name + word name .."

[1765] Fig. 431 is a figure showing the processing course at the time of presupposing that he wants to be intermingled with the past memory content and to check the contents of a word of a screen.

[1766] As shown in this figure, when it is intermingled with the past memory content

and checks, with reference to Database, File, etc., the significance of a word can be formed as a past memory content. Moreover, the contents of the word in which significance was materialized can also be made to memorize. W04 palette moves, a screen is outputted and the contents of an action are directed to a computer by the result of having operated the screen. If directed, W02 palette will move, the contents of a word of a screen are received, and the attribute of a word is checked. W03 palette runs by specifying the palette which moves by the action element of W02 palette to the next of W02 palette as W03 palette. By W03 palette, the significance of a word is formed with reference to the contents of the past memory (Database, File) in addition to the contents of a word of the screen received by W02 palette. W04 palette runs by specifying the palette which moves by the action element of W03 palette to the next of W03 palette as W04 palette. W04 palette chooses and edits only the word of a screen among the words arranged in W03 palette, and displays it on a screen.

[1767] Although the kind of action which determines a processing course is two kinds mentioned above when divided roughly, if it classifies finely, there is partly.

[1768] There is the following thing as a kind of general actions.

A. I want to check only the contents inputted to - screen to check only the word of a screen.

[1769] I want to carry out clear [of the contents of the screen].

[1770] I want to want to return to Menu or to end business to it.

[1771] There is such a thing.

[1772] B. I want to check the contents of the significance of a screen word with reference to -Database and File to be intermingled with the past memory and check the contents of the screen.

[1773] Database and File want to memorize the significance of the materialized word.

[1774] I want to change the contents of Database and File by the significance of the materialized word.

[1775] I want to delete the contents of Database and File using the significance of the materialized word.

[1776] I want to change on other screens.

[1777] I want to point to other business.

[1778] There is such a thing.

[1779] It will call at a screen to what how many actions exist and the action is pointing, and which word denotes the action. Since an action of each is another action, it distinguishes and specifies the course of an action. Conversely, if it says, it will be made to become "the processing course generated simultaneously is certainly one."

[1780] Fig. 432 is a figure showing the example of a processing course in case many actions exist.

[1781] As shown in this figure, when many actions exist, in the form of branch from W02 palette and branch from W03 palette describes. When it changes on other screens, the screen of a changes place determines the processing course of a changes place. Moreover, when you return from a changes place to an applicable screen, suppose that it certainly returns to W04 palette.

[1782] Next, explain the directions to a palette chain function.

[1783] A palette chain function is "the parent program of Lyee program structure", and three kinds of palettes, W02, W03, and W04, are moved according to the contents by which it is directed from each palette. Each palette of the contents which direct an action is as follows. It directs with the action element which specifies a processing course.

[1784] The palette ID "to specify" and which is started next presupposes it "is specified" about whether it carries out clear [of Dieter Elian of each palette in the synchronous range], when Screen ID which displays W02 palette on the next starts W04 palette "to specify."

[1785] The palette ID "to specify" and which is started next presupposes it "is specified" about whether it carries out clear [of Dieter Elian of each palette in the synchronous range], when Screen ID which displays W03 palette on the next starts W04 palette "to specify."

[1786] Since it is "the screen which moves to the next" after W04 palette's starting and finishing processing about W04 palette, don't specify the following palette.

[1787] Although it is "continuation" and "it is new" may be described in the processing route map, a palette chain function carries out clear [of Dieter Elian of each palette which has "new:" in the synchronous range]. A palette chain function carries out no "continuation" about Dieter Elian of each palette in the synchronous range.

[1788] The palette ID started to Screen ID displayed on the next and the next is displayed on a processing route map by a diagram, and specifies continuation and a new distinction by means of language.

[1789] Next, explain the action element in connection with a processing course.

[1790] Specify the action element in connection with a processing course in a processing route map.

[1791] There is the following as an example of a common action element and the action element in connection with a processing course.

[1792] That is, as an action element in connection with the processing course over a

common action element "Dieter Elian etc. is treated", there are initial processing, area clearness, message selection and an output, T1 processing starting, etc.

[1793] Moreover, as an action element in connection with the processing course over a common action element "Database and File are treated", there are Open, Start, Read, Write, Update, Delete, Close, etc.

[1794] Moreover, there is a judgment by the combination of a word etc. as an action element in connection with the processing course over a common action element "a processing course judging."

[1795] Moreover, as an action element in connection with the processing course over a common action element "based on an operating demand", there are a range check of the contents of a word, a check by word combination, other operating demands, etc.

[1796] Various kinds of things come out of an action element by the scene, the computer environment, and the operating demand which apply Lyee. When the action element which recognizes various existence acts, when a processing course changes, it certainly shows clearly in a processing route map as a result of an action.

[1797] Fig. 433 is a figure showing an example of a processing route map in case a processing course changes as a result of the action of the action element which recognizes various existence.

[1798] As shown in this figure, when it Write(s) to Database and File, it is "New: next palette" at the time of formation. It is necessary to classify specification at the time of failure and to carry out 2 course description at the time of "continuation: next palette."

[1799] Explain the place which a processing route map means below.

[1800] The processing route map has caught the requirements for computer processing altogether by the state of rest, and the locus which moved the processing course (it can be said that it is all to describe a processing route map) expresses the complexity of disposal of business affairs.

[1801] If base logic is arranged with Dieter Elian of the word of an applicable screen on the palette described to the processing route map after a processing route map is made, even if it is a word like the screen throat, significance is formed, and it can display on a screen.

[1802] Fig. 434 is a figure showing the example of the processing route map of a commission place information registration screen.

[1803] As shown in this figure, the words which determine a processing course are the combination of "execution and input classification", and "F3: return." Other words are the date, time, a commission place code, a commission place abbreviated name, a commission place name, an English name, and a message. Dieter Elian of these words

and base logic are arranged by 1:1 on W02, W03, and W04 each palette. As words other than a screen, there is a word of Database (commission place information: F100PF). Dieter Elian of the word of Database and a logic element are arranged to W03.

[1804] When the phase element and logic element which have been arranged are performed according to a processing course, a value is set to Dieter Elian of a word stationed at each palette, and the significance of a word is materialized.

[1805] Specifically, state below.

1. If No. 10 of an asset-management menu is chosen and an execution key is pressed, a commission place information registration screen will be displayed.

[1806] 2. A commission place code is inputted on a commission place information registration screen. It is specified as "input classification =4 (reference)", and an execution key is pressed. Next, it refers for commission place information and is displayed on a screen.

[1807] 3. The contents of a commission place name or other words are changed. It is specified as "input classification =2 (correction)", and an execution key is pressed. The contents of correction are reflected in commission place information.

[1808] Fig. 435 is a figure for explaining the purport that the result performed on the processing route map corresponds to business.

[1809] Above 1, 2, and 3 describe the situation where the course shown by the line of (1), (2), and (3) of this figure was performed. It is the result of performing the base logic and the action element which have been arranged in this figure according to a processing course. Even if it performs business in this way, a processing route map can only say "having described the turn that a palette moved by an action and action" instead of the run state. After a processing route map is decided, it can be said that what is necessary is just to arrange base logic and an action element with Dieter Elian of a word who acquires significance.

[1810] Consider the requirements for operating again here.

[1811] Although it was a reason for having seen the screen at first and having made the processing route map, it was unrelated to describing a processing route map except the word which denotes an action. Except the word which denotes an action, even if it is, it is the reason which could be. If this considers "a screen is a mere set of bundled words", it will become intelligible. If the processing route map of an applicable screen does not change, you may set what kind of word on a screen. Therefore, the requirements for operating will not have anything there.

[1812] Since it is a set of the word displayed on a screen, the screen made into the purpose from this is word sets. It will be said that and their bundle was the

requirements for operating. Considering this, it can be said that processing route maps are all.

[1813] Since processing route maps are the word of the screen which is a set of a word, and a course which each is formed and displays significance on it on a screen, a processing route map expresses all the requirements for computer processing. Conversely, when it says, it will be said that the processing route map has caught all the requirements for computer processing, and should draw only a processing route map.

[1814] A processing route map can describe to reliance "an action" and "the word which denotes an action." It is because description of only the palette moved to the next which an action and an action direct without that the information only on that can describe taking in "complexity of disposal of business affairs" will have described the state of rest.

[1815] It can be said that the locus to which the processing course moved shows the complexity of disposal of business affairs. The "man" is pointing to the processing course and "directions of people" has only produced "complexity of business." Even if it does not take "complexity of business" into a processing route map, "complexity of business" is satisfied when it moves with directions of people.

[1816] The directions of the processing route map at the time of systems development are as follows.

1. When a processing route map is described, the bad point of a screen is known.

[1817] 2. There is a synchronous range in a processing course.

[1818] 3. The processing route map specifies the action to a logic element.

[1819] There are the above directions.

[1820] The person who described the screen and the list at the time of systems development can say that it is best to also make a processing route map. That is because the creation of the layout of a screen and a list of the bad point of a screen and a list layout which was found immediately and was clearly conscious of screen operation and list printing will be attained if the person who described the screen and the list also makes a processing route map. Therefore, it is important not to carry logic into a screen and a list so that a processing route map can be described only with the word in a screen and a list, and there.

[1821] As for the logic included in the screen and the list, it becomes most intelligible except words required by a user using the screen/list that the word for operation is only added. When actions differ in the combination of a manual operation button and the contents of a word especially, you should specify the contents of a word. If not shown clearly, many checks are needed when describing a processing route map. Those who

operate a screen will lapse into the panel "operation is impossible unless it learns the method of operation of a screen at a school", and it will be more out of order than anything.

[1822] When "those who describes a screen and a list", and "those who describe a processing route map" must be separated, in order to find the action which the word in a screen and a list, and there shows, "the method of screen operation or list printing" is checked. For that purpose, it is better to complete the procedure in which it guarantees that an action is clarified, a processing route map is made, "the method of screen operation or list printing" is again checked based on a processing route map, and there is no misapprehension.

[1823] Next, explain the definition of a word.

[1824] "The unit which forms significance" is called "word." What "significance exists, or it is sufficient for in なつ, and is carried out" according to a situation is chosen as a word. What does not change with situations is not taken as a word. What is necessary is just to opt for self-generation, defining the decided word and moving a screen, if the word which determines a processing course is clear even if all words were not decided. Furthermore, what is necessary is just to perform addition and deletion of a word, looking at a screen.

[1825] Next, explain the definition of a screen word.

[1826] In the case of Fig. 112, since "the screen word identifier received by W02 palette" and the "word identifier edited and displayed by W04 palette" were the same screens, Dieter Elian of a screen word identifier was secured to each palette of W02, W03, and W04 by a screen and 1:1. However, if [whose target thing is / like the communication wording of a telegram instead of a screen], it cannot be concluded that "the word identifier received by W02 palette" and "the word identifier edited by W04 palette" are the same screens. Then, what should I do? In it, the target thing needs to consider something.

[1827] The target thing inputs the contents of A and is wanting about the contents of B. The contents of input and contents needed are pointed out and it is called the "purpose phenomenon." That is, W02 palette can receive the contents of input of the purpose phenomenon, and it is possible that W04 palette is edited so that the purpose phenomenon may be suited.

[1828] Fig. 436 is the example of a processing route map in case the input and output of the purpose phenomenon are a different thing.

[1829] As shown in this figure, when the input and output of the purpose phenomenon differ from each other, it is necessary to classify and show clearly, and it is necessary to

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also classify and specify a word identifier. Since the input and output of the purpose phenomenon are the same when a screen is the purpose phenomenon, it is the good reason by description of a processing route map and the method of a definition of a word identifier which were mentioned above.

[1830] Here, explain that what happens to a word identifier, data area, etc. in case the input and output of the purpose phenomenon differ from each other.

[1831] In LyeeALL, a definition will perform arrangement of data area and base logic automatically. A palette name and ID define the palette described by the processing route map, the identifier and attribute of a word of the purpose phenomenon input are defined as W02 palette, and the action element which determines a processing course is arranged.

[1832] As W03 palette, define the identifier and attribute of the purpose phenomenon input word, define the identifier and attribute of the purpose phenomenon output word, and define the identifier and attribute of a Database word which are treated further. Input-Area and Output-Area classify and give a definition. being careful — when Database is already decided, a word identifier and an attribute are only defined, and when Database is not yet decided, I hear that every [of the word of a screen and a list / temporary] is carried out to the word of Database as it is, and the action element which determines a processing course is arranged, and it is.

[1833] As W04 palette, define the identifier and attribute of the purpose phenomenon output word, and arrange the action element which determines a processing course.

[1834] It will move only by this also to anyhow within a computer.

[1835] Arrangement of the data area of the result of having defined the word identifier, base logic, and an action element comes to be shown in Fig. 437.

[1836] The data area of the purpose phenomenon itself and the data area of the word identifier which each palette treats have carried out that same treatment [like] until now. However, it is another data area mutually in fact.

[1837] In order that the logic element of each palette may form significance in the word identifier of the buffer area for performing input of the purpose phenomenon, and output, the input of the purpose phenomenon, and output, Dieter Elian who classifies and has Dieter Elian of a word identifier for every palette has.

[1838] It may classify clearly or it may be necessary to classify with the compiler characteristic. It may be better to leave a screen object (for example, Form-Object) to what the compiler prepared, and not to give mapping with the purpose phenomenon input output buffer and the data area which a palette treats to the palette chain function of synchronous structure, case [like Visual-Basic and Delphi]. When such,

mapping is prepared with an action element. About W02, it becomes the action element which carries out the phase of the data to W02 word identifier area from the purpose phenomenon input, and becomes the action element which carries out the phase of the data to the purpose phenomenon output from W04 word identifier area about W04.

[1839] Also about the input of Database, and output, it is the same, and classify clearly an input buffer, an output buffer, the word identifier that a palette treats, and a logic element, and define Database: input area, Database: output area, Database: word identifier area, and a logic element. Database: Input and output Read Database and are an action element which Write(s). The form which has arranged the action element comes to be shown in Fig. 438.

[1840] In Lyee, the logic Database ("word bundle" and "link of word bundles) generally said is not effective. Since all the words treated by the system on W03 palette are arranged and all the words of Database are also arranged, what bundled all the Database words treated by the system will say that "word bundle" exists uniquely. Therefore, logical "link of word bundles" of a between is unnecessary. Only the link between physical Database(s) (a word bundling) exists.

[1841] As shown in Fig. 439, as for self-generation, also in the logic element of the word of a screen and a list (purpose phenomenon), the logic element of a Database word also makes the starting point "the word of the screen and list in the same synchronous range", and the word of "Database: Input-Area."

[1842] Since the word of Database: Input-Area can be used as the starting point also from the word of the screen and a list like the system throat, it can be said that the word of Database exists uniformly (even if it sees from which screen and list).

[1843] Self-generation only refers to the starting point and Read/Write of Database is not carrying out. The Database: Input-action element and the Database: Output-action element are performing Read/Write of Database. Therefore, self-generation is specified only using the identifier of the word arranged in a memory, and the form of physical Database is not related.

[1844] Next, supplement about a Database word.

[1845] When it is the synchronous range which differs in all screen and lists, the example shown in Fig. 271 is as follows. If a, b, c, and ... show a word and a Database word is expressed by (DB),A screen   B screen   D list   C screen   E list a-> a.DB->   : It is set to e-> e.DB->:h h.DB->:pb c-> c.DB->:kd:f-> f.DB->:j:o:g-> g.DB->:I-> I.DB->:l:m:n:r. All the words used as the starting point turn into a Database word.

[1846] Although there was the way of thinking "there is Database first", when the computer did not exist, it was posting from the ledger to the ledger based on the ledger.

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Fig. 440 is a figure for explaining this situation.

[1847] Originally, a screen and a list are foundations, and since Database has memorized the contents of a screen and the list, if the result of self-generation is seen, a Database word can be decided.

[1848] Next, supplement about base logic.

[1849] About base logic, significance is formed in five base logic for every word, five base logic consists of two phase elements and three logic elements, and there is the feature that the action of those other than the significance of a word uses an action element.

[1850] A logic element is a vector which forms significance in a word.

[1851] As seen in "structure of a meaning", base logic is arranged as follows to one word.

[1852] Arrange first "the logic element which forms significance" to W02 palette (hereafter it may be called L2) .

[1853] Next, arrange "the logic element which forms significance" of W03 palette (hereafter it may be called L3) .

[1854] Next, arrange "the logic element which forms significance" of W04 palette (hereafter it may be called L4) .

[1855] Next, arrange the phase element which combines the significance of L2 and L3 on W03 palette (hereafter it is called Y3) .

[1856] Next, arrange the phase element which combines the significance of L2 or L3, and the significance of L4 on W04 palette (hereafter it is called Y4) .

[1857] Fig. 441 is a figure which explains such a situation notionally.

[1858] As shown in this figure, when each palette moves according to a processing course, it forms significance in the word but, as they have only been arranged, when "Y4, L4", "L2", and "Y3, L3" have been arranged at each palette. About a logic element, arrow which faces to each palette from a "word" shows the logic element which projected the shadow of the word from the word to each palette, and arrow which goes to a word from each palette shows the line which a logic element also moves [line] and forms significance in a word, when each palette moves. The significance of that word will exist in the place at which this three significance was written by the line and three lines crossed.

[1859] Translate a logic element into English with "Homogeneity-Vector" from this.

[1860] On the other hand, a phase element is a vector which combines the significance of a logic element. The method of combination takes the method of using the significance of L2 by L3, and using the significance of L3 by L4. For this reason, three have copied the contents to the area of that word of W03 palette from the area of that word ofWY02 palette. Four have copied the contents to the area of the word of W04

palette from the area of the word ofWY02 palette or W03 palette.

[1861] Translate into English with "Duplicate-Vector" from this.

[1862] Base logic has "the form expressed with a flow chart" as shown in Fig. 442. If it is the computer language which can code "the form expressed with the flow chart", it is applicable with any languages.

[1863] It has the form shown by the same flow chart with any words. The phase element of a different place for every word is "the address of the word area in each palette which carries out a phase", and logic elements are "an attribute check, self-generation, edit and a display", and an "abortive message."

[1864] Base logic is treating "significance of a word." It comes to be shown by Fig. 443 when base logic arranged at each palette is performed.

[1865] That is, secure the data area of a word to "1:1" corresponding to a screen word. When there is an action from a screen, W02 logic element performs an attribute check, W03 phase element carries out a phase to W03 word area, W03 logic element performs self-generation, W04 phase element carries out a phase to W04 word area, and W04 logic element performs edit and a display.

[1866] Next, explain "base logic is an end-point principle."

[1867] The base logic for every word is targeting only significance of the word. As shown in Fig. 444, about the phase element, the contents of the word arranged at each palette are copied to the address of the word with same another palette. About a logic element, the attribute of the word is checked in an attribute check, significance (value) is set to the word in self-generation, and edit and a display of the word are performed in edit and a display.

[1868] It is called "corner point principle" to see from base logic in this way, and to treat the significance of only one's word, and the thing of its word is called "corner point."

[1869] Moreover, the thing of the word referred to in self-generation specification is called "starting point." For example, when self-generation of A word is described to be (A=B+C), it is shown that it specified the starting point word and starting point words are B and C. Moreover, supposing it uses as a key the word "D", for example for self-generation of A word, it reads Database and it refers to the word "E" in Database, starting point words are D and E.

[1870] It can be said that base logic has become independent in order to consist of corner point principles and to treat only the significance of its word. In this case, you should care about that other words must not be described in an attribute check, self-generation, and edit and a display. It is because synchronous structure collapses and no guarantee is no longer obtained, if other words are described.

[1871] Since there is this guarantee of "having become independent", it can be said that it is carrying out "becoming independent completely" of the base logic. If it puts in another way, the base logic of a self-word does not affect the base logic of other words, but I hear that the base logic of a self-word is not influenced by the base logic of other words, and it has it.

[1872] Next, supplement about something with: "attribute check" in W02 logic element (L2).

[1873] W02 logic element judges "can be accepted?" about the word which has already had significance. It is the meaning of the grade whether "acceptance" in this case has the value processed in a computer. Therefore, you may consider that an "attribute check" is "checking whether a attribute is as same as it defined as word attribute?".

[1874] It is a digit number as an "attribute" in this case.   (with a sign) Number 8-bit character mode   4-bit mode   Half-width character   Katakana   Alphabetic character   Full-width character   Katakana   Alphabetic character   They are the contents of the attribute definition of the grade of a Chinese character.

[1875] In others, the "date", "a code with a check digit", etc. have the attribute which it has peculiar to a word. Since these are the attributes which can be distinguished with the data independent of the word, they are distinguished in an "attribute check."

[1876] Now, it thinks [wanting to perform an "attribute check" and becoming in practice by other words and comparison with other phenomena in many cases, and]. However, with the "attribute check", you should care about that other words and comparison with other phenomena must not be performed by any means. For example, "Does any Database exist?", "It is effective, when the contents of other words show the specific contents.", etc. correspond.

[1877] In short, an attribute check inspects "Is data valid?." A logic element must not treat significance to the last, and the other thing must not be performed. It will be unlimited when other words and comparison with other phenomena (Is it effective regarding users, business, scenes, etc.?) are performed with an "attribute check." It is because the value as a logic element will be lost since the element which should treat only the significance of the word has treated other significance.

[1878] In this case, prepare the "action element" mentioned later to surely perform the check of "Is it effective regarding users, business, scenes, and etc.?."

[1879] An "attribute check" works effectively about the word to input, and there is no value of performing an "attribute check" about the word to output. There is no how to perform an "attribute check" rather than saying. The word which serves as both input / output is equivalent to an input word about an "attribute check."

[1880] Next, supplement about something with W03 logic element (L3): "self-generation."

[1881] W03 logic element serves to form significance about the word in which significance does not yet exist. Therefore, "self-generation" will be an action which forms significance.

[1882] "Self-generation" has only two kinds, "reference" and "calculation", at business applications. Considering it as the contents of a self-word with reference to other contents of a word with "reference" —it is —this case —"—others —word" is "the word of the screen and list in the same synchronous range", and "the word of Database and File." "Calculation" is calculating with reference to other contents of a word, and making a result into the contents of a self-word. In this case, "other words" is "words in screen/list in the same synchronous range" and "words in Database/File:" The case of a rate where the case where self-generation is "referred to" is 80% in general, and self-generation is "calculated" is 20%.

[1883] "The words to refer to differ" and when saying, "Formulas differ", how should it think according to conditions?

[1884] It thinks that two or more significance exists in an applicable word (It is the result of expressing two or more words with one word in fact.). Originally, although it is not simultaneous in "the word which should have only one significance", it means "with conditions, formation of significance carries out and a way changes." When two or more significance exists simultaneously, the word will not already be a word. "Self-generation" is an action which forms significance in a word, and the action which forms significance is the situation in which one is ideal. ", according to conditions, two or more actions which form significance exist" is because "Two or more self-generation exists according to conditions" will be said.

[1885] When self-generation is described simply, be as follows. Originally a conditional sentence is not the contents of self-generation but the execution condition of self-generation. Depending on a word, self-generation may become more complicated.

[1886]

If condition 1 Then

self-generation 1

End If

If condition 2 Then

self-generation 2

End If

If Condition 3 Then

self-generation 3

End If

Next, although the action to the logic element of a Database word is how, it attaches and supplements.

[1887] For example, in the example shown in Figs. 143 and 144, Database on a processing route map is "commission place information." It is as follows when the word, the action to W03 palette and the Database: Input word, and Database: Output word in "commission place information" are arranged. A screen means a commission place information registration screen among description, and DB means XX word in a Database: Input word. It is as follows when a Database: Output word receives "with a updated date."

Input classification = 1 (initial registration) is "with the updated date of a screen."

Input classification = 2 (correction) is "with the updated date of a screen."

Input classification = 3 (deletion) is "with the updated date of a screen."

Input classification = 4 (reference) is a pear.

A Database:Input word becomes "with a updated date."

[1888] When a Database:Output word receives at "the time of a updated date", be as follows.

Input classification = 1 (initial registration) is at "the updated date time of a screen."

Input classification = 2 (correction) is at "the updated date time of a screen."

Input classification = 3 (deletion) is at "the updated date time of a screen."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as "the time of a updated date."

[1889] When a Database:Output word receives a "person-in-charge code", be as follows.

Input classification = 1 (initial registration) is "the employee code of an initial screen."

Input classification = 2 (correction) is "the employee code of an initial screen."

Input classification = 3 (deletion) is "the employee code of an initial screen."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as a "person-in-charge code."

[1890] When a Database:Output word receives "input classification", it becomes like next.

Input classification = 1 (initial registration) is "the input classification of a screen."

Input classification = 2 (correction) is "the input classification of a screen."

Input classification = 3 (deletion) is "the input classification of a screen."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as "input classification."

[1891] When a Database:Output word receives a "commission place code", it becomes like next.

Input classification = 1 (initial registration) is "the commission place code of a screen."

Input classification = 2 (correction) is "the commission place code of a screen."

Input classification = 3 (deletion) is "the commission place code of a screen."

Input classification = 4 (reference) is a pear.

[1892] When a Database:Output word receives a "commission place abbreviated name", be as follows. Input classification = 1 (initial registration) is "the commission place abbreviated name of a screen."

Input classification = 2 (correction) is "the commission place abbreviated name of a screen."

Input classification = 3 (deletion) is "the commission place abbreviated name of a screen."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as a "commission place abbreviated name."

[1893] When a Database:Output word receives a "commission place name", be as follows.

Input classification = 1 (initial registration) is "the commission place name of a screen."

Input classification = 2 (correction) is "the commission place name of a screen."

Input classification = 3 (deletion) is "the commission place name of a screen."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as a "commission place name."

[1894] When a Database:Output word receives a "English name", be as follows.

Input classification = 1 (initial registration) is "the English name of a screen."

Input classification = 2 (correction) is "the English name of a screen."

Input classification = 3 (deletion) is "the English name of a screen."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as a "English name."

[1895] When a Database:Output word receives the "commission place address", be as follows.

Input classification = 1 (initial registration) is "the commission place address of DB."

Input classification = 2 (correction) is "the commission place address of DB."

Input classification = 3 (deletion) is "the commission place address of DB."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as the "commission place address."

[1896] When a Database:Output word receives a "commission place telephone number", be as follows.

Input classification = 1 (initial registration) is "the commission place telephone number of DB."

Input classification = 2 (correction) is "the commission place telephone number of DB."

Input classification = 3 (deletion) is "the commission place telephone number of DB."

Input classification = 4 (reference) is a pear.

A Database:Input word serves as a "commission place telephone number."

[1897] When treating Database and File, divide into the word in connection with Input, and the word in connection with Output the area of Database which the definition (Database, Input-Output Buffer Area of FileRecord) of Database, Database used for reading and writing of File, and File and W03 palette treat, and a File word, and secure it two kinds.

[1898] The above-mentioned Database:Input word and a Database:Output word are the word area of Database, Database which classifies with Buffer-Area of File Read-Write, and is secured separately, and File.

[1899] A Database:Input word is a word "to refer to", in order that the word of a screen and a list and a Database word may form significance within W03 palette. There is a Database:Output word in order to make Database memorize the screen and list, and Database word which form significance within W03 palette. In the above-mentioned example, a Database:Output word receives an action at the time of the course of input classification =1 (initial registration), and 2 (correction) and 3 (deletion). A Database:Input word receives an action at the time of the course of input classification =4 (reference). This is as the processing route map showing. That is, although the "commission place information" Database is read and written, it is shown in the processing route map. Self-generation is required only for a Database:Output word and a Database:Input word carries out the phase of the result of Database:Read the whole Record. It is important whether it is changed whether the contents of self-generation of a Database:Output word change by action, and a result is as above-mentioned.

[1900] The starting points of a Database:Output word are the same (word of the screen and list in the synchronous range), and a (Database:Input word). By action, when self-generation differs, it is made an "equivalent word", and self-generation is specified. There is no equivalent word in this example.

[1901] Next, "failure ?" which comes out in the flow chart of base logic It attaches [it is alike and] and supplements. Fig. 445 is each flow chart of W02 logic element, W03 logic element, and W04 logic element.

[1902] As shown in this figure, with W02 logic element, the result of edit and a display is judged with self-generation and W04 logic element in the attribute check and W03 logic element, respectively. There is no concept of "formation" there. With what, since it is of infinite variety, formation goes with "it is unfixed" here. It has clarified abortively therefore. It sets saying "are materialized except failure." It is not asked whether it is effective.

[1903] W02 logic element: the "attribute check" of an attribute check is "whether to receive." Although it comes out, when receiving, it escapes from a flow there. When it cannot receive, it goes to "Is re-execution impossible?" of a flow as it is.

[1904] W02 logic element: there is no method of failure describing in a fixed form.

[1905] W03 logic element: since self-generation is the action which forms significance in a ""empty" =signification has not existed" case, the conditions as "empty" (Although self-generation was performed, significance does not yet exist) that failure is the same are applied.

[1906] W04 logic element: abortive FLG-ON? は W02 and Flag turned "ON" with W03 logic element at the time of failure are judged.

[1907] W03 logic element: self-generation becomes "being failure when the contents of the starting point word are amusing." If the corner point word using the word as the starting point is set to check the amusingness of the word, it can check because a corner point word becomes abortive.

[1908] For example, do exist ["whether the key exists in Database"]? When you say, on the screen which displays a customer number and a customer name, a "customer name" uses a "customer number" as a key, reads a customer master, and refer to the "customer name" of a customer master for it. Corner point word: "customer name" uses starting point word: "customer number" and "the customer name of a customer master." If a "customer number" has some Data values whatever a Data value may be, significance will exist and an attribute check will be received. When using a "customer number" as a key and referring to a customer master, a "customer name" cannot perform self-generation, if it does not exist in a customer master, but becomes abortive. It is the result of corner point word: "customer name" using starting point word: "customer number."

[1909] Moreover, as another example, it is "whether the Data value is conformity." In saying, when using a credit card, if a credit card number and a personal identification number are right, the credit amount of money is effective. The "credit amount of money" performs self-generation, when "the personal identification number which the member registered" and "the inputted personal identification number" are in agreement with

reference to a card member master by the number shown by a "credit card number." If the credit card number and the personal identification number differ from him at this time, corner point word: "credit amount of money" will become abortive, and I will be checked out.

[1910] the two above-mentioned examples — "Data value — some — " — it has not carried out carrying out by the joint: comparison with Data besides ", and reference", and seeing a Data value directly.

[1911] Since data coupling of a corner point word and a starting point word is certainly performed at the time of self-generation specification, existence of data and conformity of data are certainly checked.

[1912] At the time of systems development, it can be said that it is desirable to insert the action element of a required related check on business while making and moving a program first, without thinking and looking at a screen as for "What kind of check is necessary?."

[1913] Next, it is related abortively and supplement with an attribute check, self-generation, and edit and a display about being decided in general by the input-and-output attribute of "empty", self-generation, the word to input, and the word to output.

[1914] Only W03 logic element exists as a logic element of a Database word.

[1915] Fig. 446 is a figure for explaining the concept of the "empty" in W03 logic element, "self-generation", and "failure."

[1916] As shown in this figure, Database of being treated only in [synchronous] one is rare, and bear in mind being treated in two or more synchronous ranges (two or more Work-Through of a processing route map) for it. When only the processing course is seen, even if "self-generation" looks only like one kind, if two or more processing courses are seen, usually two or more kinds exist.

[1917] Make the logic element of a Database word from the beginning as an "equivalent word." (In "empty", "the execution condition which an "empty" + processing route map shows" is specified.) Fig. 447 is a key map showing the relation between DatabaseI/O, and Database:Input-Area and Output-Area.

[1918] As shown in this figure, the words which serve as the starting point by self-generation of a Database word are a word in W03 palette, and a word of Input-Area of Database with the word of the screen in the same synchronous range.

[1919] Since it is the purpose to carry out self-generation in order to memorize to Database, the logic element of a Database word specifies self-generation of the logic

element of the word of Output-Area of Database.

[1920] Next, explain an action element.

[1921] The element treating an action peculiar to computer processing is called "action element" to the logic element treating the significance of a word. With an action peculiar to computer processing, there is an action in the case of performing "cheking of "Is it valid"" in the combination of the action which exchanges data with Input/Output-Device, the action which determines a processing course, and two or more words etc. About the kind of action element, the example in classification 1=P is explained below.

[1922] In initial processing, there is an action whose classification name classification 2 performs initial processing at the time of palette starting by "FT1", and performs it by "initial processing."

[1923] There are the following actions in I/O with Input/Output-Device. -
The action to which classification 2 performs Open of Database and File by "OP1", and a classification name performs it by "Open."
The action whose classification name classification 2 performs Database, Read of Record of File, and a Write start by "ST1", and performs them by "Start."
The action to which classification 2 performs Read of Record of Database and File by "RD1", and a classification name performs it by "Read."
The action to which classification 2 performs Write of Record of Database and File by "WT1", and a classification name performs it by "Write."
The action to which classification 2 performs Update of Record of Database and File by "WT1", and a classification name performs it by "Rewrite."
The action to which classification 2 performs Delete of Record of Database and File by "WT1", and a classification name performs it by "Delete."
And the action to which classification 2 performs Close of Database and File by "CL1", and a classification name performs it by "Close."

[1924] There are the following actions in the data phase of definition object area and palette area. The action "ZZZ" and a classification name carry out [action] a phase for data from a screen and area to W02 palette area by "Input" in classification 2. The action "ZZZ" and a classification name carry out [action] a phase for data from W04 palette area to screen area by "Output" in classification 2. And the action in which classification 2 carries out the data area after Record Output by "CR1", and a classification name carries out clear by "Clear."

[1925] In the element to which a processing course is moved, there is an action in case "CAL" and a classification name move T0 to T1 in the action whose classification name classification 2 performs a course judging by "RT1", and performs it by "course judging"

and classification 2 moves it by "T1 CALL."

[1926] As an object for messages, there is an action in case classification 2 outputs a message by "MS1" and a classification name outputs it by a "message."

[1927] In a business-use affair, there is an action which classification 2 uses at the time of the requirements with which "CH1" and a classification name combine two or more words on the requirements for operating by a "check."

[1928] When other actions are raised, there is an action whose classification 2 is "ZZZ" and whose classification names are "others." Thus, as for an action element, many exist.

[1929] Whenever environment changes, prepare the action influenced by computer environment (hardware and base software to be used) as an action element. What is necessary is just to make the action element by the difference in environment once, and it can make a template the made action element and can reuse it.

[1930] The action element influenced by the difference in a business-use affair must be made as an action element, whenever a demand changes. In this case, the action with [in "LP gas1" and a classification name / classification / 2] recovery at "P of Y-L-P" or classification 2 prepares an action element in one form of the actions without recovery of "ZZZ" and a classification name at "others."

[1931] In addition, classification 1, classification 2, and a classification name are the classification when registering with "LyeeALL" which carried out point 述 here.

[1932] Next, explain the form of an action element.

[1933] The flow chart and Fig. 449 showing the logic structure of an action element in case Fig. 448 has recovery are a flow chart which shows the logic structure of an action element in case there is no recovery.

[1934] As shown in both figures, the action element has the same type as a logic element. However, action elements differ in [of performing only one action] that it is an element to a logic element being an element which forms the significance of only one word. Although there are a form with "recovery" and a form which is not, the form which does not usually have recovery is used.

[1935] "Execute?" of an action element is the execution condition of "the contents of execution of an action." The execution condition is described by the "processing route map." That is, the "contents of execution of an action" which he was conscious of is described by the processing route map made as the rule of "Lyee." Although he is not conscious of the "contents of execution of an action", they is described by the "processing route map."

[1936] For example, Fig. 450 is a processing route map of a commission place

information registration screen.

[1937] The actions which the processing route map in this case shows are the action which specifies a processing course about the course included in W04 palette, the course which comes out of W02 palette, the course included in W03 palette, and the course which comes out, Database described on the course, and an action which treats Database and File about the treatment of File so that clearly [this figure].

[1938] At this time, the registration action to "commission place information :F100PF" is described to be "P1." Concrete specification is as follows.

Execution condition

1. Front palette = W02 palette of a commission place information registration screen.

[1939] (cautions) Since all actions described by many processing route maps are arranged and performed by W03 palette, the act which checks a front palette is trustworthy.

[1940] 2. At the word arranged on W03 palette of a commission place information registration screen, it is execution ="ON" & input classification = "1."

[1941] 3. As a result of copying "The contents of a commission place information registration screen input" to "commission place information :F100PF", there is no abortive word.

[1942] The contents of execution:

"contents inputted into the commission place information registration screen" is registered into "commission place information :F100PF."

[1943] Failure:

The registration command (Write) was executed normally.

[1944] It is as mentioned above.

[1945] The execution condition of the action by the combination of two or more words which come out by operating demand is decided by the contents of a demand.

[1946] An action element is an element which performs only one action. Even if there is a time of wanting to treat two or more actions plentifully, only only one action must not perform an action element.

[1947] For example, after registering the previous contents of a commission place information registration screen, processing course specification is described as shown in Fig. 451. Moreover, Fig. 452 is a key map for explaining the execution condition and the contents of execution of the action element at this time.

[1948] As shown in both figures, it becomes "next screen=commission place information registration", "next palette=W04 of commission place registration screen", and "new/continuation=new" at the time of normal registration.

When it cannot register, it becomes ""next screen=commission place information registration", next palette=W04 of commission place registration screen", and "new/continuation=continuation"." This specification is specified with the action element of processing course specification by the action which specifies a processing course. As shown in this figure at this time, don't specify other actions in the registration action to "commission place information: F100PF." It is because it becomes the same thing as "affirming denial."

[1949] Moreover, since the contents which specify a processing course differ, at the time of normal registration, divide at the time of registration improper and make an action element. If the contents of the action are the same, one action element is enough. Next, initial processing is explained.

[1950] It is a time of performing something at the time of the time of starting of the beginning of a palette that initial processing is needed, when starting starts the processing route map of the same synchronous range. Specifically with W04 palette, it is at W02 of W02 palette of other screens, or other screens, and the time of the first starting by W03 palette course, When W04 palette is started after "it is new" was specified by processing course specification, after the word area in W04 palette requires starting in the state of "empty" and all perform something, it is a time of indicating by a screen. By W02 palette, initial processing does not usually exist. It will prepare, if some may be performed especially at the time of initial starting.

[1951] Do not usually exist by W03 palette.

[1952] Next, explain I/O with Input/Output-Device. The description systems of the command which a computer development language uses by Operating-System, Database Management System, and Language which are carried in the computer which uses the treatment of Database and File will differ fairly. Since description of the command which changes with Input/Output-Device, Database, and File organization systems is described by "the contents of execution", the difference in the description system for every computer is collected by the "contents of execution" of "the action element of I/O with Input/Output-Device."

[1953] Fig. 453 is a flow chart for explaining that the difference in the description system for every computer is collected in execution of an action by "the contents of execution."

[1954] When being expressed by the difference in the description system between computers unlike "Open" and "Connect" as shown in this figure for example,When similarly expressed unlike "Read", "Select", "Find", and "Find Next",When expressed similarly unlike "Rewrite", "Select", and "Update", all of these differences will be

collected by "the contents of execution" also in any in the case of being expressed similarly unlike "Close" and "Disconnect."

[1955] The difference in the description system for every computer prepares "the template of an action element" for every difference in a description system, and the action element treated by Database at the time of definition object registration and the treatment of File is made automatically.

[1956]

[Effect of the Invention] As explained in full detail above, according to this invention, the structure of existence can be set and changed to the relation between a proposition and a solution. In natural space, although space-time intervenes between them, there is no it in consciousness space. Therefore, if the phase of the proposition in natural space is carried out to consciousness space and a solution is calculated, a solution can be calculated, without making space-time intervene. Consequently, requirements are understood to be "semantics without a form" and semantics is not digested, but by treating as it is, ultimately, a brain activity is made to decrease sharply from software open fit business, and it becomes possible to lose almost.

[1957] Although our traditional method of thinking turns into the functional thinking method which establishes the whole proposition and carries out dense [of the inside] to the solution to as further proposition, since the thinking approach of LYEE concerning this invention can form the solution, without establishing the whole, it can be called the synchronous thinking method.

[1958] In the program of LYEE before being returned, every [the / 5 / 1/] was written for the functional semantics which approached most by recognition of a user based on the word. Namely, a user's vocabulary changes to the program of five for every vocabulary. If all the contents of self-generation of a logical element are collected and the relation between an endpoint and the starting point is connected, word related structure will emerge. Consequently, the effectiveness of being done as a result even if it does not write specification is acquired.

[1959] the base —although many effective descriptions can be acquired from logic, the logic which the conventional SE was creating, for example especially business check logic, and business process logic become unnecessary. That is, the program for every word is made by "significant conditions are specified", and development of an information system is completed by "it expects" in the synchronous structure which already exists. This brings about improvement in dramatic system development productivity.

[1960] the logic which satisfies the requirements for a user —the base — since it will be autonomously created if group structure of logic is returned by the computer (activation), in a conventional method, a design of the part currently called the upstream becomes almost unnecessary. the base — logic has the last structure by the beginning as a completely independent program. Such a description will be woven and the technical problem of development maintenance of software will be inevitably improved from the bottom.

[1961] Since according to this invention proposition ****** becomes possible as mentioned above, it is not only shortened by surprising extent, but a man day and a process, and a development cycle fruit various results.

[1962] That is, since there is synchronous structure in Lyee concerning this invention, it is decided that the requirements for development and software will be coincidence. therefore, the conventional development process — changing completely — the base — logic is excluded, a synchronous path is drawn and it completes by the simple activity which specifies the significant conditions of a word. Therefore, the improvement in system development productivity which transcended the conventional common sense can be achieved, and various effectiveness can be made actual. Since a development process will become according to this invention because the significant conditions of a word are specified if the word of a screen and a document is decided if it returns, an old arrangement activity, a circumstantiation activity, specification creation, internal-processing logic, etc. become unnecessary.

[1963] If furthermore said, although the basis, "stratified screen and document", and stratified "program" of development organization are not 1:1 conventionally and it was obliged to the circumstantiation activity of a screen and "document" -> "a program" therefore, the design was needed and SE was needed. It was indispensable to have applied the great time amount and the great man day for the document creation huge as an activity which succeeds the contents of development for every occupational description and volition Bahnung which are engaged in about [that it was required for Application SE to provide a screen and document creation (I/O design), a computer internal-processing design, program specification creation, etc. furthermore, and for a programmer to provide a programming, a program unit test, a processing block test, systems testing, etc.] and development.

[1964] However, according to this invention, software development assembles 1. operating flow.

[1965] 2. Take out the document and word which are used on each business.

[1966] 3. Make the screen and document used on each business.

[1967] passing through ****** — it can make — "the significant conditions of a word" (1. — an attribute (a digit count, a numeric value and alphabetic character assignment) —) 2. Since a program will be done if only input output assignment, 3. storage assignment, 4. conditions, a reference word, a formula, the message at the time of 5. failure, and the method of 6. display are specified the stratified development organization is already unnecessary — becoming — "assembly of business" — "— synchronous structure and the base — logic frame" will be made to coincidence and SE is released from a program.

[1968] Therefore, according to this invention, those who work of SE stops being already making a program, and perform an operating design should just also come to make a program. A result and SE can aim at now conversion into the pro ensemble who can bear the whole system truly.

[1969] moreover — since structure is given according to this invention, if a screen and a word are seen — anyone — although — the condition of understanding, namely, saying that structure is in sight can be created, the maintenance personnel who were having forced a burden great thereby until now can be released, and anyone comes to be able to do maintenance easily

[1970] In order that Lyee concerning this invention may build a system per user again, also when building the system of an individual exception or integration, time and effort is not taken, but enables overwhelming time amount compaction, and brings about great effectiveness also from a management side.

[1971] further — planning of a system plan by this invention — the speed of management — quick — ** — it becomes especially. The reason is that it can reduce the development time wonderfully since it becomes unnecessary to develop an individual exception and to worry about the adjustment of an individual system and a whole system after seeing the whole system like before. From planning to a dramatic reform of development organization, the repercussion effect spreads several times over.

[1972] it says concretely — if it becomes — a system — a user unit — it builds — ****ing — W04 and W02 — one per screen — preparing — the word of a screen — corresponding — word area and the base — logic — preparing — ****ing — W03 [moreover,] — a system — one — preparing — a full screen and a total — the word of DB — corresponding — word area and the base — since what is necessary is just to prepare logic, a system-construction activity is easy-ized sharply. moreover — a ************** pallet and the base — components, such as logic, — what kind of software — even when — since the structure is the same, when building another system, the existing system can be used as it is. for example, the base of an existing DB word — logic is reused 100%.

[1973] Furthermore, since it is the same, when unifying the system made according to the individual, it is not necessary to carry out arrangement of DB word that what is necessary is just to merge simply.

[1974] Moreover, according to this invention, since it is an addition, modification, and deletion of a screen and a document, and a word, the system change of a system change doubled with operating improvement speed becomes possible (since it is a program for every word and there is no effect on others). further — this case — a visual change — the base for every addition / deletion word of a word — ending with modification of logic, a

system change replaces the activity of DB word addition with the addition of a screen and a word.

[1975] Furthermore, according to this invention, the state of software property is changeable. that is, — since it is prescribed by synchronous structure, if a screen and a word are seen — anyone — although — it understands, and can talk only with a screen, a document, and a word, and it is ceased to need the special knowledge about business Thereby, it is already Program. Source is no longer Software property. It will be Program if the Software property which is a foregone conclusion if it becomes what is corrected. It is because Source is newly made. And according to this invention, Software property is a definition object, a processing line route map, the significant conditions of a word, the screen definition File, the word "ID", the document definition File, self-generation, and DB. Since things, such as File, a message, and a word table, are set and replaced, large reduction and disappearance of the cost of everything concerning software become possible.

[1976] Moreover, according to this invention, the profits which bring about leather very much also, for example in the estimated method of development, and are not bound by ** and the cost price are produced. Since the process from the design in an office flow to systems testing is covered by the consistent view, conversion of a productivity scale is aimed at to the logic of the side used from the logic of the side which builds a system, and a development estimated method is revolutionized from old fundamentalism to performance-based system.

[1977] It becomes more specifically possible to change an estimated method from a cost basis (man-month man day) to performance-based system. That is, since a program structure is a known thing according to this invention, conversion of a productivity scale can be aimed at and what was the scale which changes until now by those who make development productivity = development total "the number of steps / the development total man-month man day" converts into the scale which does not change by those who make "the number of development productivity = use words / the development total man-month man day."

[1978] Furthermore, this invention brings about the change to the more suitable direction also for a development cost estimate method as effectiveness on the extension. that is, development productivity = — the number of use words / the development total man-month man day development productivity = word — a number / number meter of man day development cost = words x unit standard cost (unit standard cost = standard man-day cost price / development productivity)

(Unit standard cost = standard cost per word)

By offering the said scale, twist clear-ization of software development costs can be attained.

[1979] and — or which sets [which as for the directivity of a development productivity drive, which brings 1. "the system development (a man day and period)" close at "the significant criteria specification time amount of a word", or shortens 2. "the significant criteria specification time amount of a word" or] 3. development organization to "Simple" according to this invention (the best [for the user of a system to develop])

4. It becomes possible to continue in the direction to which to urge reuse of the specified "the significant conditions of a word" at infinity. Moreover, a base can be hardened by using up Lyee and development productivity can be further raised now through the improvement of Tool, the organization change of a section, reuse of a screen and a document, etc. the back.

[1980] moreover — according to this invention — the word of a screen and a document — DB word — carrying out — the self-generation result for every word — what is necessary is just to determine that Physics DB will be easy to handle Consequently, in order to keep "the word which should be separate and should exist" as "the same word" until now, logic occurs. If the divisional contents are seen, and "the logic which carries out processing branching" will surely enter or results [**** / setting up the word "a partition" which a user does not sense] in a sales slip DB activity whose customer had brought about various evils — the name has changed to a customer — What is necessary is the logical element of a screen and a document word being specified by self-generation (reference and count) based on a storage assignment word, even if Physics's DB was not decided, and just coming to decide it, after Physics's DB specifies self-generation of a logical element.

[1981] Moreover, as shown in drawing 308, since the characteristic part of each programming language does not enter into the source program realized by LYEE, effect is not received in modification of a computer and modification of OS, either. 100% transplantation is possible without adding a hand as a result.

[1982] If the effectiveness by this invention is more concretely expressed in a listing format, the **** need will be lost in the program for the value of - data, and the validity check between data.

[1983] - The **** need is lost in the program for procedure.

[1984] - A design becomes unnecessary to the programming of an external specification.

[1985] - An old internal program will be structurally created, if an external program is performed.

[1986] - An external program can be created 99% with a mechanical algorithm.

[1987] - A scenario function substitutes for the conventional design.

[1988] - Logic destruction does not arise in the program determined with a scenario function.

[1989] - A scenario function is applicable to all software.

[1990] - The portability of the software determined with a scenario function becomes 100%.

[1991] - It becomes unnecessary to investigate the requirements for operating or to get to know.

[1992] - it becomes unnecessary [the test of logic] — what is necessary is just to only check the figure of output

[1993] - Normalization of a database becomes unnecessary.

[1994] - A program becomes opening 100% and a maintenance will be wide opened from an individual thing.

[1995] **** is mentioned.

[1996] The comparison of the effectiveness which the way and it which receive the software of a conventional method and LYEE, and which are caught bring about is shown in Fig. 309 thru/or 311.

[1997] Furthermore, if a viewpoint is moved to the principle which therefore stands as for this invention, it can point out that the further effectiveness is done so.

[1998] Namely, **** which makes the base of all the existences in which this invention contains the political world of software If this which is making existence principle-ize by empty and the unit is applied to software development By carrying out the phase of the requirements for development, acquiring the program which is the solution materialized instantaneous, carrying out the thesis of saying [becoming the approach of returning the program to functional semantics by the computer], and making it sublimate even to application and technique further Although the effectiveness that not every old approach had nothing profit is attained, it can be said that the phenomenon and effectiveness which will be astonished if the principle and principle concerning this invention are caught correctly and employed show up.

[1999] That is, the significance created in natural space serves as functional semantics, and it is the structure in which the natural chain carried out grouping. The structure is materialized in a data factor and the logical factor incidentally created in it. And both a data factor and a logical factor are natural chains. Since we are also materialized as functional semantics, the logical factor which we create becomes equivocal unescapable. If, and functional semantics will not be materialized and functional semantics will not be materialized, we are because the very thing stops materializing. In that, an equivocal

logical factor is false. Therefore, a logical factor is complicated at every grouping. And a functional product is established there and we become easy to live. However, no truth is acquired in our world just because functional semantics is created by the false logical factor. The logical factor is made into zero, and if the thinking method enacted in functional semantics is discovered, we may be able to find out the principle which is accordant to existence providence by the thinking method. This invention also makes existence of such possibility recognize, and the effectiveness of opening the door of the possibility to future great invention also does it so.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The outline perspective view having shown the outline with DOA by which rating comparison simplification is carried out for the outline of the degree concerning 1 operation gestalt of this invention.

[Drawing 2] The outline perspective view having shown the outline with DOA by which rating comparison simplification is carried out for the outline of the degree concerning 1 operation gestalt of this invention.

[Drawing 3] The outline perspective view having shown the outline with DOA by which rating comparison simplification is carried out for the outline of the degree concerning 1 operation gestalt of this invention.

[Drawing 4] Structural drawing which W02, W03, and W04 concerning 1 operation gestalt of this invention have.

[Drawing 5] The conceptual diagram showing the phase element concerning 1 operation gestalt of this invention, and a logical element with two programming language.

[Drawing 6] Drawing for explaining the scenario function concerning 1 operation gestalt of this invention.

[Drawing 7] The processing path ****** Fig. concerning 1 operation gestalt of this invention.

[Drawing 8] The processing path ****** Fig. concerning 1 operation gestalt of this invention.

[Drawing 9] The processing path ****** Fig. concerning 1 operation gestalt of this invention.

[Drawing 10] Structural drawing of the document concerning 1 operation gestalt of this invention.

[Drawing 11] Drawing showing the document interrelation concerning 1 operation gestalt of this invention.

[Drawing 12] Drawing showing the relation of the consciousness space and natural space concerning 1 operation gestalt of this invention.

[Drawing 13] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 14] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 15] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 16] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 17] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 18] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 19] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 20] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 21] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 22] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 23] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 24] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 25] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 26] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 27] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 28] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 29] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 30] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 31] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 32] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 33] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 34] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 35] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 36] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 37] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 38] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 39] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 40] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 41] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 42] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 43] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 44] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 45] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 46] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 47] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 48] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 49] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 50] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 51] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 52] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 53] The conceptual diagram for explaining the internal structure theory of the existence which is the principle on which this invention is based.

[Drawing 54] The conceptual diagram of the synchronous thinking concerning 1 operation gestalt of this invention.

[Drawing 55] The program screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 56] The program screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 57] The conceptual diagram of the file word concerning 1 operation gestalt of this invention.

[Drawing 58] The conceptual diagram of the file word concerning 1 operation gestalt of this invention.

[Drawing 59] The conceptual diagram of the file word concerning 1 operation gestalt of this invention.

[Drawing 60] The conceptual diagram of the file word concerning 1 operation gestalt of this invention.

[Drawing 61] Structural drawing of the system concerning this invention.

[Drawing 62] Structural drawing of the system concerning this invention.

[Drawing 63] The synchronous concept structure side Fig. concerning 1 operation gestalt of this invention.

[Drawing 64] The synchronous concept structure side Fig. concerning 1 operation gestalt of this invention.

[Drawing 65] The conceptual diagram of the requirements implementation for operating concerning 1 operation gestalt of this invention.

[Drawing 66] The conceptual diagram of the requirements implementation for operating concerning 1 operation gestalt of this invention.

[Drawing 67] The conceptual diagram of the requirements implementation for operating concerning 1 operation gestalt of this invention.

[Drawing 68] The conceptual diagram of the requirements implementation for operating concerning 1 operation gestalt of this invention.

[Drawing 69] The conceptual diagram of the requirements implementation for operating concerning 1 operation gestalt of this invention.

[Drawing 70] The conceptual diagram of the keyword concerning 1 operation gestalt of this invention.

[Drawing 71] The conceptual diagram of the keyword concerning 1 operation gestalt of this invention.

[Drawing 72] The conceptual diagram showing the relation of the phase element concerning 1 operation gestalt of this invention, a logical element, and an operation element.

[Drawing 73] the base concerning 1 operation gestalt of this invention — the conceptual diagram showing the relation between the theory and a source program.

[Drawing 74] the base concerning 1 operation gestalt of this invention — the conceptual diagram showing the relation between the theory and a source program.

[Drawing 75] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 76] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 77] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 78] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 79] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 80] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 81] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 82] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 83] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 84] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 85] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 86] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 87] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 88] the base concerning 1 operation gestalt of this invention — the

processing flow chart Fig. of the theory.

[Drawing 89] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 90] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 91] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 92] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 93] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 94] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 95] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 96] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 97] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 98] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 99] the base concerning 1 operation gestalt of this invention — the processing flow chart Fig. of the theory.

[Drawing 100] The commission place registration screen concerning 1 operation gestalt of this invention.

[Drawing 101] The commission place registration screen concerning 1 operation gestalt of this invention.

[Drawing 102] The structure on W02 concerning 1 operation gestalt of this invention, and a conceptual diagram of operation.

[Drawing 103] The structure on W03 concerning 1 operation gestalt of this invention, and a conceptual diagram of operation.

[Drawing 104] The structure on W04 concerning 1 operation gestalt of this invention, and a conceptual diagram of operation.

[Drawing 105] The processing conceptual diagram concerning 1 operation gestalt of this invention.

[Drawing 106] The processing conceptual diagram concerning 1 operation gestalt of

this invention.

[Drawing 107] Drawing showing the example of a list of the parameter concerning 1 operation gestalt of this invention.

[Drawing 108] Drawing showing the example of a list of the parameter concerning 1 operation gestalt of this invention.

[Drawing 109] Drawing showing the example of a list of the parameter concerning 1 operation gestalt of this invention.

[Drawing 110] Drawing showing the example of a list of the parameter concerning 1 operation gestalt of this invention.

[Drawing 111] Drawing showing the example of a list of the parameter concerning 1 operation gestalt of this invention.

[Drawing 112] Drawing showing the example of a list of the parameter concerning 1 operation gestalt of this invention.

[Drawing 113] Drawing showing the example of a list of the parameter concerning 1 operation gestalt of this invention.

[Drawing 114] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 115] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 116] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 117] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 118] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 119] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 120] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 121] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 122] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 123] The conceptual diagram of the logic actuation on W02 concerning 1 operation gestalt of this invention.

[Drawing 124] The processing screen Fig. concerning 1 operation gestalt of this

invention.

[Drawing 125] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 126] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 127] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 128] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 129] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 130] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 131] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 132] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 133] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 134] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 135] The processing screen Fig. concerning 1 operation gestalt of this invention.

[Drawing 136] The conceptual diagram showing the relation between the phase element of W03 concerning 1 operation gestalt of this invention, and the phase element of W04.

[Drawing 137] The conceptual diagram showing the relation between the phase element of W03 concerning 1 operation gestalt of this invention, and the phase element of W04.

[Drawing 138] The conceptual diagram showing the relation between the phase element of W03 concerning 1 operation gestalt of this invention, and the phase element of W04.

[Drawing 139] The conceptual diagram of the auxiliary program concerning 1 operation gestalt of this invention.

[Drawing 140] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 141] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 142] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 143] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 144] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 145] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 146] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 147] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 148] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 149] The conceptual diagram of the equivalence word concerning 1 operation gestalt of this invention.

[Drawing 150] The processing conceptual diagram of W02 and W03 concerning 1 operation gestalt of this invention.

[Drawing 151] The processing conceptual diagram of W02 and W03 concerning 1 operation gestalt of this invention.

[Drawing 152] The conceptual diagram showing the relation between the decision of requirements, and the decision of a program concerning 1 operation gestalt of this invention.

[Drawing 153] The conceptual diagram showing the development procedure concerning 1 operation gestalt of this invention.

[Drawing 154] The conceptual diagram showing the development procedure concerning 1 operation gestalt of this invention.

[Drawing 155] The conceptual diagram showing the development procedure concerning 1 operation gestalt of this invention.

[Drawing 156] The flow chart which shows the routing concerning 1 operation gestalt of this invention.

[Drawing 157] The screen Fig. for inputting sales data.

[Drawing 158] A screen Fig. when "reference" of a "customer code" is chosen in the screen for inputting sales.

[Drawing 159] The screen Fig. for inputting decision of arrival of goods.

[Drawing 160] The screen Fig. for referring to a warehouse code.

[Drawing 161] The screen Fig. for outputting a shipment request chart.

[Drawing 162] Drawing showing the document of a shipment request chart.

[Drawing 163] Drawing showing the document of a shipment request chart.

[Drawing 164] The processing line route map to the sales input concerning 1 operation gestalt of this invention.

[Drawing 165] The processing line route map to the arrival-of-goods decision input concerning 1 operation gestalt of this invention.

[Drawing 166] The processing line route map to the shipment chart concerning 1 operation gestalt of this invention.

[Drawing 167] Drawing showing an example of W04 phase element concerning 1 operation gestalt of this invention.

[Drawing 168] Drawing showing an example of W04 logical element concerning 1 operation gestalt of this invention.

[Drawing 169] The flow chart which shows the W02 theoretical element concerning 1 operation gestalt of this invention.

[Drawing 170] Drawing showing an example of W03 phase element concerning 1 operation gestalt of this invention.

[Drawing 171] Drawing showing an example of W03 logical element concerning 1 operation gestalt of this invention.

[Drawing 172] The structure paradigm Fig. of the pallet function concerning 1 operation gestalt of this invention.

[Drawing 173] The structure paradigm Fig. of the pallet chain function concerning 1 operation gestalt of this invention.

[Drawing 174] Drawing explaining the scenario chain concerning 1 operation gestalt of this invention.

[Drawing 175] Structural drawing of the whole software concerning 1 operation gestalt of this invention.

[Drawing 176] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 177] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 178] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 179] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 180] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 181] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 182] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 183] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 184] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 185] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 186] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 187] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 188] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 189] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 190] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 191] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 192] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 193] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 194] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 195] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 196] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 197] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 198] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 199] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 200] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 201] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 202] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 203] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 204] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 205] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 206] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 207] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 208] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 209] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 210] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 211] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 212] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 213] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 214] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 215] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 216] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 217] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 218] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 219] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 220] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 221] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 222] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 223] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 224] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 225] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 226] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 227] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 228] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 229] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 230] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 231] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 232] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 233] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 234] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 235] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 236] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 237] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 238] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 239] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 240] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 241] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 242] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 243] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 244] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 245] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 246] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 247] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 248] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 249] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 250] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 251] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 252] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 253] The program-listing Fig. concerning 1 operation gestalt of this invention.
[Drawing 254] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 255] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 256] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 257] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 258] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 259] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 260] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 261] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 262] The program-listing Fig. concerning 1 operation gestalt of this invention.

[Drawing 263] Structural drawing in the pallet concerning 1 operation gestalt of this invention.

[Drawing 264] the base concerning 1 operation gestalt of this invention — the logic paradigm Fig. of logic.

[Drawing 265] Drawing showing the difference in error processing with the conventional thing concerning 1 operation gestalt of this invention.

[Drawing 266] The pallet Fig. concerning 1 operation gestalt of this invention.

[Drawing 267] The pallet Fig. concerning 1 operation gestalt of this invention.

[Drawing 268] The processing Fig. of W03 pallet concerning 1 operation gestalt of this invention.

[Drawing 269] The self-generation appointed Fig. of the logical element concerning 1 operation gestalt of this invention.

[Drawing 270] The self-generation appointed Fig. of the logical element concerning 1 operation gestalt of this invention.

[Drawing 271] The self-generation appointed Fig. of the logical element concerning 1 operation gestalt of this invention.

[Drawing 272] Drawing showing the list of the descriptions of this invention.

[Drawing 273] The conceptual diagram of the development procedure of this invention.

[Drawing 274] The conceptual diagram of 1 of ****** of this invention.

[Drawing 275] Two conceptual diagrams of ****** of this invention.

[Drawing 276] Three conceptual diagrams of ****** of this invention.

[Drawing 277] Four conceptual diagrams of ****** of this invention.

[Drawing 278] Five conceptual diagrams of ****** of this invention.

[Drawing 279] Six conceptual diagrams of ****** of this invention.

[Drawing 280] Seven conceptual diagrams of ****** of this invention.

[Drawing 281] Eight conceptual diagrams of ****** of this invention.

[Drawing 282] Nine conceptual diagrams of ****** of this invention.

[Drawing 283] Ten conceptual diagrams of ****** of this invention.

[Drawing 284] The conceptual diagram of W03 logical element concerning 1 operation gestalt of this invention.

[Drawing 285] The conceptual diagram showing the relation between the logical element concerning 1 operation gestalt of this invention, and a phase element.

[Drawing 286] The conceptual diagram showing the procedure of the software development concerning 1 operation gestalt of this invention.

[Drawing 287] The conceptual diagram of the pallet concerning 1 operation gestalt of this invention.

[Drawing 288] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 289] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 290] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 291] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 292] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 293] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 294] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 295] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 296] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 297] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 298] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 299] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 300] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 301] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 302] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 303] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 304] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 305] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 306] The image Fig. concerning 1 operation gestalt of this invention.

[Drawing 307] The processing line route map of the sales list concerning 1 operation gestalt of this invention.

[Drawing 308] Eleven conceptual diagrams of ****** of this invention.

[Drawing 309] The comparison Fig. of the former and this invention

[Drawing 310] The comparison Fig. of the former and this invention

[Drawing 311] The comparison Fig. of the former and this invention

[Drawing 312] The processing line route map of the sales list concerning 1 operation gestalt of this invention.

[Drawing 313] The processing line route map of the sales list concerning 1 operation

gestalt of this invention.

[Drawing 314] The processing line route map concerning 1 operation gestalt of this invention.

[Drawing 315] The system chart according to budget form concerning 1 operation gestalt of this invention.

[Drawing 316] The pallet creation element child list Fig. concerning 1 operation gestalt of this invention.

[Drawing 317] The control diagram concerning 1 operation gestalt of this invention.

[Drawing 318] The conceptual diagram showing the relation of ****-izing concerning 1 operation gestalt of this invention, idea space, a consciousness modality, and a recognition modality.

[Drawing 319] The processing line route map in processing of the computer concerning 1 operation gestalt of this invention.

[Drawing 320] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 321] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 322] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 323] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 324] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 325] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 326] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 327] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 328] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 329] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 330] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 331] A processing line route map in case the data value of the purpose event

concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 332] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 333] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 334] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 335] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 336] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 337] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 338] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 339] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 340] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 341] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

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[Drawing 348] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 349] A processing line route map in case the data value of the purpose event

concerning 1 operation gestalt of this invention determines a processing path.

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concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 368] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

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[Drawing 409] A processing line route map in case the data value of the purpose event concerning 1 operation gestalt of this invention determines a processing path.

[Drawing 410] Drawing for explaining concretely development of this invention application software concerning 1 operation gestalt of this invention.

[Drawing 411] Drawing for explaining concretely development of this invention application software concerning 1 operation gestalt of this invention.

[Drawing 412] Drawing for explaining concretely development of this invention application software concerning 1 operation gestalt of this invention.

[Drawing 413] Drawing for explaining concretely development of this invention application software concerning 1 operation gestalt of this invention.

[Drawing 414] The conceptual diagram of the view of this invention concerning 1 operation gestalt of this invention, and a view.

[Drawing 415] An example Fig. of the screen which applied this invention concerning 1 operation gestalt of this invention.

[Drawing 416] The conceptual diagram showing an example of the appliance control system of this invention concerning 1 operation gestalt of this invention.

[Drawing 417] The conceptual diagram showing an example of the information-system development activity concerning 1 operation gestalt of this invention.

[Drawing 418] The conceptual diagram having shown an example which applied this invention concerning 1 operation gestalt of this invention.

[Drawing 419] The conceptual diagram having shown an example which applied this invention concerning 1 operation gestalt of this invention.

[Drawing 420] The conceptual diagram having shown an example which applied this invention concerning 1 operation gestalt of this invention.

[Drawing 421] Process drawing showing the significance of the word concerning 1

operation gestalt of this invention.

[Drawing 422] The conceptual diagram showing the significance of the word concerning 1 operation gestalt of this invention.

[Drawing 423] The conceptual diagram of the scenario function concerning 1 operation gestalt of this invention.

[Drawing 424] Drawing which applied this invention concerning 1 operation gestalt of this invention to the development process and the maintenance process.

[Drawing 425] The schematic diagram of the information-system development process concerning 1 operation gestalt of this invention.

[Drawing 426] The schematic diagram of the information-system maintenance process concerning 1 operation gestalt of this invention.

[Drawing 427] Drawing showing the information-system development procedure concerning 1 operation gestalt of this invention.

[Drawing 428] Drawing showing an example of the pallet chain function concerning 1 operation gestalt of this invention.

[Drawing 429] The pallet processing line route map concerning 1 operation gestalt of this invention.

[Drawing 430] The pallet processing line route map concerning 1 operation gestalt of this invention.

[Drawing 431] The pallet processing line route map concerning 1 operation gestalt of this invention.

[Drawing 432] The pallet processing line route map concerning 1 operation gestalt of this invention.

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[Drawing 434] The pallet processing line route map concerning 1 operation gestalt of this invention.

[Drawing 435] The pallet processing line route map concerning 1 operation gestalt of this invention.

[Drawing 436] The processing line route map of the input of the purpose event concerning 1 operation gestalt of this invention, and output.

[Drawing 437] The processing line route map of the input of the purpose event concerning 1 operation gestalt of this invention, and output.

[Drawing 438] The processing line route map of the input of the purpose event concerning 1 operation gestalt of this invention, and output.

[Drawing 439] The processing line route map of the input of the purpose event

concerning 1 operation gestalt of this invention, and output.

[Drawing 440] Process drawing of the image and document concerning 1 operation gestalt of this invention.

[Drawing 441] the base concerning 1 operation gestalt of this invention — the conceptual diagram of logic.

[Drawing 442] the base concerning 1 operation gestalt of this invention — the flow chart of logic.

[Drawing 443] the base concerning 1 operation gestalt of this invention — the flow chart of logic.

[Drawing 444] the base concerning 1 operation gestalt of this invention — process drawing of logic.

[Drawing 445] the base concerning 1 operation gestalt of this invention — the flow chart of logic.

[Drawing 446] the base concerning 1 operation gestalt of this invention — the flow chart of logic.

[Drawing 447] Process drawing of the attribute check concerning 1 operation gestalt of this invention, self-generation, and edit and a display.

[Drawing 448] Process drawing of the operation element concerning 1 operation gestalt of this invention.

[Drawing 449] Process drawing of the operation element concerning 1 operation gestalt of this invention.

[Drawing 450] Process drawing of the operation element concerning 1 operation gestalt of this invention.

[Drawing 451] The flow chart of the operation element concerning 1 operation gestalt of this invention.

[Drawing 452] The conceptual diagram of the operation element concerning 1 operation gestalt of this invention.

[Drawing 453] The conceptual diagram of an I/O operation element with the input and the output device concerning 1 operation gestalt of this invention.

[Drawing 454] The flow chart Fig. showing the program structure which controls the inside of the structure (W02) where the pallet function concerning 1 operation gestalt of this invention was unit-ized.

[Drawing 455] The flow chart Fig. showing the program structure which controls the inside of the structure (W03) where the pallet function concerning 1 operation gestalt of this invention was unit-ized.

[Drawing 456] The flow chart Fig. showing the program structure which controls the

inside of the structure (W04) where the pallet function concerning 1 operation gestalt of this invention was unit-ized.

[Description of Notations]

91 Menu Screen

92 W04 Pallet

93 W02 Pallet

94 W03 Pallet

95 W03 Pallet

96 Writing to File

97 W04 Pallet

98 W02 Pallet

101 Menu Screen

102 W04 Pallet

103 W02 Pallet

104 W04 Pallet

105 W02 Pallet

111 Menu Screen

112 W04 Pallet

113 W02 Pallet